

20010325.qrp v02\_n138.qrl.20010325

Date: Sun, 25 Mar 2001 19:03:06 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2138

## QRP-L Digest 2138

Topics covered in this issue include:

- 1) [94862] Re: Buried radials?  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 2) [94863] Ten Tec 556  
by larrykosch@glasscity.com
- 3) [94864] FS: Ten-Tec Scout  
by "Steve" <ki0ky@dmea.net>
- 4) [94865] Re: Buried radials?  
by Dave Sjolin <sjolin@swbell.net>
- 5) [94866] RE: K1 as a beginners rig? (beginner's kit)  
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 6) [94867] Re: Buried radials?  
by Hank Kohl K8DD <k8dd@arrl.net>
- 7) [94868] B&N & ARRL 2001 HB...Sic Transit Gloria  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 8) [94869] 70 foot pine trees WORK!  
by K5BDZ@aol.com
- 9) [94870] SMK-1 question  
by John Rollins <kd7bcy@teleport.com>
- 10) [94871] Lao Tzu, ARS goals and QRPL-30 (Long)  
by "Glen Torr" <glentorr@ozemail.com.au>
- 11) [94872] Re: KU7Y Sighted "Out Of His Hole" at Shadow Mountain golf course  
by "Ron, KU7Y" <ku7y@qsl.net>
- 12) [94873] RE: "Super Tee Antenna Tuner"  
by Larry East <w1hue@amsat.org>
- 13) [94874] RE: IC Info on-line  
by Larry East <w1hue@amsat.org>
- 14) [94875] Re: K1 as a beginners rig?  
by Tim Hodges <7twh@ttc-cmc.net>
- 15) [94876] SMT IC's - Where to Buy  
by J38AL@aol.com
- 16) [94877] Chuck Adams K7Q0 presents at Atlanticon  
by "George Heron N2APB" <n2apb@erols.com>
- 17) [94878] Re: Century 21 w/low output  
by "blinn" <blinn@smgazette.com>
- 18) [94879] Solar Flux 219!!!  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 19) [94880] Golf Cart Mobile

by DYARNES@aol.com

20) [94881] Tick w/SMK-1  
by "Steve/n0tu" <n0tu@webaccess.net>

21) [94882] Looking for parts  
by "Dan McLaughlin" <danmclaughlin@lycos.com>

22) [94883] Re: Chuck Adams K7QO presents at Atlanticon  
by "Graham Firth" <graham.firth@btinternet.com>

23) [94884] 1 watt SSB into VK from S. Tx  
by K5BDZ@aol.com

24) [94885] Re: 1 watt SSB into VK from S. Tx  
by K5BDZ@aol.com

25) [94886] Re: Snap Transmitter?  
by "John L. Sielke" <w2agn@pobox.com>

26) [94887] Re: "Super Tee Antenna Tuner"  
by Bruce Muscolino <w6toy@erols.com>

27) [94888] X-ray machines...  
by Paul Dryer <psdryer@ticnet.com>

28) [94889] Hamscope 1.3  
by "Jim" <sunwatt@starband.net>

29) [94890] QRPTTF  
by "John L. Sielke" <w2agn@pobox.com>

30) [94891] RE: X-ray machines...  
by "Ed Tanton" <n4xy@att.net>

31) [94892] Beware; X-ray machines...  
by Drbob92031@aol.com

32) [94893] FS: Lower prices- Wilderness Sierra, NC20  
by Bruce Grubbs <n7ceeqrp@earthlink.net>

33) [94894] RE: Beware; X-ray machines...  
by "Ed Tanton" <n4xy@att.net>

34) [94895] Re: Beware; X-ray machines...  
by "Nick Yokanovich" <k3ny@toad.net>

35) [94896] C-21  
by "T.W." <wb5qyt@abq.com>

36) [94897] Re: Beware; X-ray machines...  
by "Dan W. Dooley" <dandooley@pipeline.com>

37) [94898] Re: X-ray machines...  
by Bruce Muscolino <w6toy@erols.com>

38) [94899] Re: Beware; X-ray machines...  
by "David Porter" <aa3ur@home.com>

39) [94900] RE: Beware; X-ray machines...  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>

40) [94901] S-120 manual  
by "T.W." <wb5qyt@abq.com>

41) [94902] Re: Hamscope 1.3  
by "Jim" <sunwatt@starband.net>

42) [94903] Re: [MFSK] Hamscope 1.3  
by "Tom Azlin" <tom@nilza.org>

43) [94904] Re: Beware; X-ray machines...

by Bruce Muscolino <w6toy@erols.com>  
44) [94905] Airport Security and Ham Gear (was: Beware; X-ray machines...)  
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>  
45) [94906] Re: X-ray machines...  
by rich a <rckchp@home.com>  
46) [94907] Re: X-ray machines...  
by "Kevin Asato" <kevin.k.asato@worldnet.att.net>  
47) [94908] Re: FS: Lower prices- Wilderness Sierra, NC20  
by Bruce Grubbs <n7ceeqrp@earthlink.net>  
48) [94909] Maps & Agenda for the Atlanticon QRP Forum next weekend  
by "George Heron N2APB" <n2apb@erols.com>  
49) [94910] Re: Looking for parts  
by "TC Dufresne" <tdufres@radiks.net>  
50) [94911] Re: 2-mW beacon 21.061 de n0tu  
by "Steve/n0tu" <n0tu@webaccess.net>  
51) [94912] "Optimum" Buried Radial Length (long)  
by "James R. Duffey" <jamesd1@flash.net>  
52) [94913] Iy4m Marconi memorial beacon QRV NOW  
by "Rod Cerkoney" <n0rc@hotmail.com>  
53) [94914] Re: X-ray machines...  
by "Dave Marling" <dbm@klis.com>  
54) [94915] Symbolic QRPP  
by K5BDZ@aol.com  
55) [94916] Re: Symbolic QRPP  
by DYARNES@aol.com  
56) [94917] Re: Iy4m Marconi memorial beacon QRV NOW  
by Rick Sealey <rsealey@northstate.net>  
57) [94918] Re: Chuck Adams K7QO presents at Atlanticon  
by "Jay Bromley" <w5jay@alltel.net>  
58) [94919] RE: Airport Security and Ham Gear (was: Beware; X-ray machines...)  
by "AI2Q Alex" <ai2q@adelphia.net>  
59) [94920] Re: Symbolic QRPP  
by K5BDZ@aol.com  
60) [94921] Atlanticon Transportation  
by "George Heron N2APB" <n2apb@erols.com>  
61) [94922] Index Labs QRP+ Manual?  
by "K. Edwards" <n3eeg@hotmail.com>  
62) [94923] Re: X-ray machines...  
by "Dan W. Dooley" <dandooley@pipeline.com>  
63) [94924] You can "just show up" at Atlanticon  
by "George Heron N2APB" <n2apb@erols.com>  
64) [94925] Re: Airport Security and Ham Gear (was: Beware; X-ray machines...)  
by Randy & Cara Randall <crrandal@seidata.com>  
65) [94926] Re: Beware; X-ray machines...  
by "Dan W. Dooley" <dandooley@pipeline.com>  
66) [94927] Re: Airport Security and Ham Gear (was: Beware; X-ray machines...)  
by "Brian Murrey" <bmurrey@amexol.net>  
67) [94928] ZM-2

by "Nico Vertriest" <nvcw@village.uunet.be>  
68) [94929] lose/lose situation  
by Drbob92031@aol.com  
69) [94930] QRP++ has been sold  
by Tim and Nancy Logan <cyr999@extremezone.com>  
70) [94931] Re: [TMPS] MS-30 LIVES!  
by "Rod Cerkoney" <n0rc@hotmail.com>  
71) [94932] Re: "Optimum" Buried Radial Length (long)  
by "George, W5YR" <w5yr@att.net>  
72) [94933] \$20.00 Scott Sled Kite Kit, \$16.00 at Atlanticon  
by "David Porter" <aa3ur@home.com>  
73) [94934] Re: Symbolic QRPp  
by AL7JK John Raynsford <AL7JK@gci.net>  
74) [94935] SMK/HB Sprint/K7GT&N7XJ  
by "Steve/n0tu" <n0tu@webaccess.net>  
75) [94936] Re: FS: Lower prices- Wilderness Sierra, NC20  
by Bruce Grubbs <n7ceeqrp@earthlink.net>  
76) [94937] QRP Sprint?  
by SJWHITTON@aol.com  
77) [94938] Starting my K1 tomorrow!  
by tailfeathers@juno.com  
78) [94939] Atlanticon 2001  
by "Ron Polityka" <wb3aal@fast.net>  
79) [94940] Re: "Optimum" Buried Radial Length (long)  
by "James R. Duffey" <jamesd1@flash.net>  
80) [94941] Re: X-ray machines...  
by Bruce Muscolino <w6toy@erols.com>  
81) [94942] RE: X-ray machines...  
by Nick Kennedy <nkennedy@tcainternet.com>  
82) [94943] Radials (burying)  
by Pete Burbank <plburbank@kih.net>  
83) [94944] FS/FT: Famous HRO Dial  
by K5BDZ@aol.com  
84) [94945] Re: Beware; X-ray machines...  
by Chris J Cole <CJCole@serialslibrarian.com>

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Date: Sat, 24 Mar 2001 16:13:34 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [94862] Re: Buried radials?  
Message-ID: <006601c0b4c0\$6ec998c0\$84d8fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bob

I hope you are doing a bit of research on buried radials before you go to all that work.

>From what I have gathered, buried radials are no longer resonant, so length is less of a consideration. That being the case, there is no reason to put radials cut for each band in the slit.

You would be better off to use the same total number of radials fanned around a circle to obtain better total ground coverage. The radials could all be the same length, or given that most yards are rectangular, the lengths could be whatever will fit. With buried radials, it seems that quantity is more important than specific lengths.

Good luck.

Hope to hear you on the air with the new vertical.

73, Bob N6WG

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Date: Sat, 24 Mar 2001 19:12:55 -0500  
From: larrykosch@glasscity.com  
To: qrp-l@lehigh.edu  
Subject: [94863] Ten Tec 556  
Message-ID: <5.0.0.25.1.20010324191230.009e4c50@pop3.norton.antivirus>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang

I have a Ten Tec Argo 556 1 to 5 Watt CW and SSB for sale...It has noise blanker, manual, mike and one module of your choice...All for \$345 plus \$8 shipping in the US 48...In very good condition....Have modules for 80m-40m-17m-15m-10m...Other modules will be after radio is sold at \$25 each...TNX Larry K8EJU...

k8eju@arrl.net

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Date: Sat, 24 Mar 2001 17:28:10 -0700  
From: "Steve" <ki0ky@dma.net>  
To: <qrp-l@lehigh.edu>  
Subject: [94864] FS: Ten-Tec Scout

Message-ID: <001f01c0b4c2\$79608e40\$5841a9d8@desktop>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The buyer for the Scout backed out of the deal. So, it is still for Sale:  
TenTec Scout, 5-50 watt transceiver with 10, 20,40, and 80 meter  
band modules, noise blanker, microphone, power cable, manual. It is in  
excellent operating condition, with a couple of small scratches on top rear  
and side rear of the case. It has been used only been four or five times  
since factory alignment two years ago. I am selling to replace it with a  
USB, MARS capable radio. Price is \$420 firm, including conus shipping.

Steve Schroder KI0KY Hotchkiss, CO

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Date: Sat, 24 Mar 2001 18:31:01 -0600  
From: Dave Sjolín <sjolin@swbell.net>  
To: Drbob92031@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [94865] Re: Buried radials?  
Message-ID: <3ABD3C45.F2CADF3C@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Drbob92031@aol.com wrote:

> Antenna restrictions force me to go to a vertical (multi band). I intend to  
> put the radials in a slit "trench." My question is. Does it matter if the  
> radials for 10;15 and 20M are all placed in the same slit trench (3" to 6"  
> deep) along side each other. I think not. But want assurances.

Bob, are you planning to put ALL of your radials in ONE "trench" along  
side each other? If you are going to be orienting all of your radials in  
one direction then you will find that your vertical will be somewhat  
directional (i.e., like a beam). Other directions not having radials  
will have higher ground losses. It is best to lay radials in a  
symetrical pattern around the vertical.

BTW, Radials for ground mounted verticals do not have to be any  
particular length, the ground detunes them so it doesnt make any sense  
to cut them quarter wave length, etc. The more radials the better. Try  
for a minimum of at least twelve (Again im not saying per band because

the length of each doesnt make any difference).

Also I would bury them just below the surface. You may be asking for trouble to put them down 3-6 inches. Mine lay on the surface. Some day I will bury them a quarter inch so the lawnmover doesnt eat them.

73 de Dave, N0IT

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Date: Sat, 24 Mar 2001 19:59:36 -0500  
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [94866] RE: K1 as a beginners rig? (beginner's kit)  
Message-ID: <GCECIJFJPOHMCKACOA0BGEEDCGAA.jakecart@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If you're looking for a very simple and inexpensive, but useful beginner's kit, I'd recommend one of the Ten Tec "T-board" kits. I've built the \$10.00 audio amp <http://www.tentec.com/Funkits.htm#1550store> , the \$30.00 any band DC receiver <http://www.tentec.com/rcvrkit.htm#1056store> , and the \$17.00 Transmatch Tuning Bridge <http://www.tentec.com/amaccyKit.htm#1051store> . The kit boards are very well done, have very clear instructions and are great additions to my shack. The tuning bridge allows you to adjust your antenna tuner with going on the air -- very nice. The receiver is great fun - I built mine for 30m and it works great -- I'd like to build a 30m Tuna Tin to go with it. I put the audio amp in a Ten Tec enclosure and added a speaker -- use it with my scratch-built Neophyte to amplify the filtered signal.

An added benefit of the Ten Tec kits is you can buy the Ten Tec enclosures at greatly reduced prices. I buy one board kit and pick up 5 or 6 enclosures -- a great deal!!

Good luck,

Jake -- N4UY

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Date: Sat, 24 Mar 2001 20:11:03 -0500  
From: Hank Kohl K8DD <k8dd@arrl.net>  
To: Drbob92031@aol.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [94867] Re: Buried radials?

Message-ID: <5.0.2.1.2.20010324200504.01aa2420@mail.arenet.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I've used radials that were buried just under the ground. And then for the next vertical I trimmed the grass VERY close, laid out the radial wires (a couple feet longer than the lowest frequency I was going to use the vertical on) and used some 6" wires bent in half to slip over the wire and push down into the ground. When the grass grew back you never knew the wires were there.

There were 30 to 40 radials each time and I don't think there was much difference in the performance of the antennas. In the case of a 10-15-20 vertical, I'd put down as many radials just under (or on top of) the ground and tune the vertical for lowest SWR at the base. And have fun with it!

73 Hank K8DD

At 05:40 PM 3/24/2001 -0500, Drbob92031@aol.com wrote:

>Hi all;

>

>Antenna restrictions force me to go to a vertical (multi band). I

>intend to

>put the radials in a slit "trench." My question is. Does it matter if

>the

>radials for 10;15 and 20M are all placed in the same slit trench (3"

>to 6"

>deep) along side each other. I think not. But want assurances.

>Tnx for any assistance; de WA2EAW; Bob

-----  
Date: Sat, 24 Mar 2001 20:13:35 -0500 (EST)

From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>

To: qrp-l@lehigh.edu

Subject: [94868] B&N & ARRL 2001 HB...Sic Transit Gloria

Message-ID: <Pine.BSF.4.10.10103242007330.12257-100000@quartz.gly.fsu.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Had the occasion to be in Montgomery AL yesterday (don't ask) and stopped in at the B&N on Hwy 231 to check on the availability of the 2001 HB. They had one on the shelf. Brought it up to the check out desk and the book rang up at \$32 plus tax. I asked the clerk to check his computer



data base and he confirmed that the book was listed in the data base as selling for full list price.

I felt cheated. Guess the \$8.50 excitement was one of those pricing inefficiencies that quickly get corrected by the market.

Henry

-----  
Date: Sat, 24 Mar 2001 20:16:20 EST  
From: K5BDZ@aol.com  
To: hqrp@stevens.com, qrp-1@lehigh.edu, bvarc@clarc.org  
Subject: [94869] 70 foot pine trees WORK!  
Message-ID: <71.bd39a0d.27eea0e4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Well, it's taken me a long time (2 months) to throw a wire up into the 70 pines here. First casting rod cast went over a branch about 45 to 50 feet high, and as the little 11 year old neighbor boy watched through binoculars and guided my "pull" my other new neighbors came out wondering what I was doing, I told them "catching flying fish". They were really curious so I decided 45-50 feet was high enough.

Pulled it into my 2nd story window at about 12 feet (that hypotenuse equals about 50 feet, but I didn't measure it) and ran a 30 foot or so counterpoise about 8 feet off ground along side the house in opposite direction. So what's that? 80- or so foot off-center fed non-resonate zep? Both wire ends run in under screen into window and directly to tuner. No feed line.

Loaded both wires into a Z11 auto tuner and my little SGC2020 set for 1 watt output works well. All bands! In fact on 40 SSB, a bunch about 100 miles east of here (45 degrees off N-S plane of wire) was comparing linear amps and I broke in asking how my amp was doing, to which they answered "as good as Ben's SB200". After I got sig reports from all, I told them I was running only 1 watt. 'Course they didn't believe me, but I signed out and they talked about it for another hour.

Anyway, the "Lazy-Boy" wire antenna works. The neighbors think I caught a real flying fish. The little 11 year old next door wants me to teach him how to build a radio (we'll start with simple regen) and I'm having fun again.  
Bill K5BDZ

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Date: Sat, 24 Mar 2001 17:14:50 -0800

From: John Rollins <kd7bcy@teleport.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [94870] SMK-1 question  
Message-ID: <a05010400b6e2f48be198@[216.26.61.36]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Been playing around a bit... Plugged in the 10m dipole and actually heard a few stations! I still need to setup a 40m antenna and figure out where the radio tunes.

When I touch the RF gain control, the noise level and volume go up quite a bit. Is this normal, or is there something wrong? Or am I just paranoid?

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/-----\  
| http://jrollins.tripod.com/           |  
| KD7BCY      kd7bcy@teleport.com      |  
\-----/
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Date: Sun, 25 Mar 2001 12:41:46 +1000  
From: "Glen Torr" <glentorr@ozemail.com.au>  
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>  
Subject: [94871] Lao Tzu, ARS goals and QRPL-30 (Long)  
Message-ID: <001f01c0b4d5\$24cb2260\$df2554d2@com.au>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Fellow QRPers,

I was out for my daily walk this morning and thinking about the ARS Goals which various QRPers have been discussing over the last couple of Sojourners, the goals people had set themselves really interested me because my qrp achievements have fallen to pretty much zero over the last year due to lots of work, marital issues etc. etc which I gather are fairly common in todays world.

I have quite a few qrp rigs around here but the pleasure they have provided is largely the transcient pleasure of construction. I have the feeling that I am missing out on a whole important part of life by seeing the unimportant as important and visa versa.

The ARS has really challenged me over the last few months with the combining

of out door activities with home constructing equipment from the ground up, the ARS has also had a pretty big impact on my life during the last 18 months. I have gained the inspiration to exercise (lost 22 kg, 48 pounds) and achieve outdoor skills, 2 overnight bush walks and a host of day walks.

What hit me this morning was that the various aspects of QRP which mean most to me have converged in the MH101 project. The QRPL-30 will become my goal in radio until it is complete, I will then take it to Cotter Gap for my long overdue solo night in the bush with QRP.

For me this is why I think the QRPL-30 will be the most significant rig of my QRP career, and there have been, and will be, some great rigs.

I was rummaging through some old QRP stuff the other day and found one of my most treasured QRP articles of all time, the Jan 73 QST review of the HW7 by Doug DeMaw, a little quote from this article summarises some of the feelings above,

"Perhaps the QRP enthusiast is motivated in part by one philosophy of the day... a retreat from material wealth and status. The trend is toward a less complicated way of life, or so it seems, where simplicity is the life style. The application of personal skills seems to be of greater value to some than the need to acquire recognition through affluence and showmanship"

As you can see the QRPL-30 is pretty important to me as a radio/learning tool, but also so much more. I wanted to thank the great QRPers who have provided me with this inspiration, your work is not only appreciated but is yielding possitive results.

Firstly Chuck Adams, K7Q0, a truly great qrp'er, N5IB and AC7CF for there work on the QRPL-30, Richard Fisher KI6SN and the ARS team for there important work in the ARS and the Sojourner, Alex VK2KET , Doug DeMaw W1FB (sk) and the rest of you great QRPLers.

Cheers

Glen Torr VK1FB

(One proud grasshopper)

-----  
Date: Sat, 24 Mar 2001 18:18:10 -0700  
From: "Ron, KU7Y" <ku7y@qs1.net>

To: qrp-1@lehigh.edu  
Subject: [94872] Re: KU7Y Sighted "Out Of His Hole" at Shadow Mountain golf course  
Message-ID: <000301c0b4d2\$8eb91540\$68c6a9d8@com>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7bit

Hi All,

Well, Dave, W7AQK and I did it! We played golf and golf cart mobile! We each made several SSB contacts in the WPX contest on 10m. We got some interesting comments on the golf cart mobile! :-)

The little 817 did a fine job. Later on the road we did some CW also.

And to top off such a great day playing radio and golf with a friend, I managed to break 100 for the first time! OK, so it was just 99 and I did take 3 or 4 Mulligans but that's close enough for my first one!

Now to go do the email thing and then go jump in the pool!

This being retired is sure hard.....but someone has to do it! :-)

OK, back in my hole..... Thanks Dave for a GREAT day!

cul, Ron KU7Y  
Full time RVing somewhere in the West!  
(Currently near Benson, AZ)  
A Proud AZScQRPion  
\*\*\*Those who trade liberty for security have neither.\*\*\*

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Date: Sat, 24 Mar 2001 19:17:39 -0700  
From: Larry East <w1hue@amsat.org>  
To: qrp-1@lehigh.edu  
Subject: [94873] RE: "Super Tee Antenna Tuner"  
Message-ID: <5.0.2.1.2.20010324190928.03058490@mail.ida.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

From a recent post:

>The Super Tee was designed by W3TS, and was published in QRP Quarterly  
>June 1992 and also in SPRAT 72. It was based on a design by DJ2LR that  
>was published in Dec 74 QST.

Looks more like a "Super L" than a "Super T" to me... :-)

The 4:1 input transformer is a neat idea for an "L" tuner -- you can match down to ~12 Ohms without reversing the input and output. The individual slide switches are also a good idea -- allows "fine tuning" of the inductance without the need for a roller inductor.

I remember seeing that article in the QRP Quarterly but I didn't remember the input transformer.

If you are looking for an easy to build QRP tuner, check it out.  
(Especially if you are too cheap/poor to buy a ZM-2 kit. :-)

72,  
Larry W1HUE

-----  
Date: Sat, 24 Mar 2001 19:29:44 -0700  
From: Larry East <w1hue@amsat.org>  
To: qrp-l@lehigh.edu  
Cc: Stan Yarema <bg783@scn.org>  
Subject: [94874] RE: IC Info on-line  
Message-ID: <5.0.2.1.2.20010324192339.0305c960@mail.ida.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

From a recent post from Stan Yarema:

> Is there a web site other than the manufacturers own sites that has a  
> lot of IC data on line ??

Hi Stan -

Here are too good sites:

<http://www.chipinfo.ru/e/>

<http://www.embeddedlinks.com/chipdir/>

Yes, the first one appears to be Russian, but it's in English and has data sheets on just about anything you can think of! (Probably connected to the KGB's old data base... :-)

72/73,  
Larry W1HUE/7



[illegible][illegible]

"Through our scientific genius, we have made this world a neighborhood; now through our moral and spiritual development, we must make of it a brotherhood." - MLK, Jr.

Date: Sat, 24 Mar 2001 22:13:56 EST  
From: J38AL@aol.com  
To: qrp-1@lehigh.edu  
Subject: [94876] SMT IC's - Where to Buy  
Message-ID: <b7.c846768.27eebc74@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hello,

I have been searching for some SMT IC's and am finding a few sources. But I can't seem to find anyone that sells the SA602 or SA612 IC's in SMT. I know they are scarce in the through hole package but I thought they would easy to find in SMT.

TIA, Al N2ZHS  
Scotia, NY

Date: Sat, 24 Mar 2001 22:13:36 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Cc: "NJQRP" <NJQRP@njqrp.org>  
Subject: [94877] Chuck Adams K7Q0 presents at Atlanticon  
Message-ID: <011f01c0b4d9\$967dbea0\$085daccf@ghlpt4>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Folks, one of the high points in my ham career, and that of many QRPers' here on QRP-L, has been getting to know Chuck Adams, K7Q0.

This "QRPer extraordinaire" has been an inspiration for so many of us over the years ... the father of QRP-L, the brains behind the original Fox Hunts, the driving force for low power operation on 30m, a teacher and authority on a wide array of technical topics. And, among many more accomplishments ... he is a quality homebrewer with passion.

This last-mentioned attribute is at the root of Chuck's presentation next weekend at the annual Atlanticon QRP Forum in Timonium, Maryland. It's entitled "Manhattan Building --- Islands of Copper and Skyscrapers" ... I've now seen it, and it's truly a splendid job!

Here's a little bit about K7Q0 ...

=====  
CHUCK ADAMS, K7Q0

K7Q0 was first licensed in the mid 50's of the last century as KN5FJZ with a Novice class license. His first QSO was from Wink, TX to Pampa, TX on 40 meters with a dipole laying on the ground in the front yard. Rig used was a Central Electronics CE-10 with a National HRO-60 receiver running only 10W, which was QRP in those days.

Then he upgraded to Conditional class license since the FCC office was 300 miles away in Dallas, TX. During his senior year of high school he managed to go through 9 ARRL logbooks with one QSO per line on 40 meters CW using a Heathkit Apache and the old National NC-300 receiver. Using 1N34A diodes across the receiver terminals and a 15W 115V bulb in series to the antenna for QSK made the nights of operation a lot of fun and kept the power levels below 10W during all this time.

Then college work stopped ham radio until the PhD at Texas A&M University where he became an active member of the W5AC radio club and took up some contesting in his spare time.

As K5F0, he managed to become active again in QRP work. Mostly in the past 7 years in building and experimenting. It is the work in building and experimenting that has led to building using a technique called Manhattan Style construction first brought to public knowledge by one Jim Kortge, K8IQY, at Dayton several years ago. It is this area of interest that will be his talk at Atlanticon this year.

The call was changed from K5F0 to K7Q0 just before his move to Prescott, AZ



in the fall of 1999. He can currently be found on 30 meters late at night attempting DXCC at some ridiculous power level. :-)

=====

This will be Chuck's second appearance at Atlanticon, and QRPers in attendance this year are in for a very big treat with his presentation next weekend. Hope you can be there.

73, George N2APB

n2apb@amsat.org

Atlanticon details at <http://www.njqrp.org/atlanticon/>

for the NJQRP Club at <http://www.njqrp.org>

PS: There's still time to make arrangements to attend Atlanticon. Even though rooms at the main hotel are sold out, try finding someone else who'd be willing to share their room. All rooms have 2 double beds, and having a roommate cuts the bill in half for both! Otherwise, there are plenty of other hotels withing 10 minute driving distance of "QRP ground zero". See the Atlanticon web page for details.

-----

Date: Sat, 24 Mar 2001 19:30:09 -0800

From: "blinn" <blinn@smgazette.com>

To: <SUpton@ALLEGROMICRO.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [94878] Re: Century 21 w/low output

Message-ID: <000701c0b4db\$e65a77e0\$6cb8e5d8@blinn>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Shawn, I owned a Century 21 once upon a time... fine CW rig. Mine wasn't the one with the digital display and it was good to 60 watts. If I remember correctly, the sidetone was kinda flakey and unstable.. don't think you can tell much about the power supply using that as an indicator.

Maybe some of the REAL whizzeroos can give you better information.

Hope you get it going.

Bill

-----Original Message-----

From: Upton, Shawn <SUpton@ALLEGROMICRO.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Saturday, March 24, 2001 2:15 PM

Subject: Century 21 w/low output

>Well, the PTO rebuild well smoothly, and the aligning, well, it's close  
>enough for now. I then fixed (maybe?) the 12V regulator; this design uses  
>a

>2n3055 pass transistor and somebody had the base and emitter wires wired  
>wrong. Radio seemingly receives ok, and am I learning the "fun-ness" of  
>direct conversion.

>

>But, the radio has low output, on the order of 5 or 7W on 20m and less on  
>the other bands. On the front of the radio, there is a dial for input  
>wattage, and that seems to be acting normally--turn up the drive power, the  
>input power level goes up. And power output goes up, but it's off by  
>several dB (I think the radio is good for 25-30W?). So, in the last few  
>minutes that I had to check it out (wanted to go home for supper--I do my  
>radio testing at work), I hooked up a 200MHz DSO and looked at the signal.  
>Looks ok, but maybe has some amplitude modulation going on? I checked the  
>output of the low level driver, and it looked ok also, but with the same  
>amplitude thing going on. Also, the sidetone note changes in pitch as the  
>power is cranked up--I take this to be a sign that the power supply is  
>sagging (or doing other bad things). Any suggestions?

>

>I also noticed, at least on 20m, that the noise floor of the radio changed  
>a lot going from band edge to band edge. It dropped some as I went from,  
>say, 14.1 to 14.0, but dropped a lot from 14.3 to 14.5. Hard to say what  
>this radio went through before me, but is this a sign that more of the  
>radio

>needs aligning?

>

>Thanks for the help and suggestions.

>

>Shawn Upton, KB1CKT

>Product Development Engineer - Sensors

>Allegro MicroSystems, Inc

>Concord, NH

>603.228.5533 ext. 429

>

>

>

--

-----

Date: Sat, 24 Mar 2001 20:56:46 -0700 (MST)

From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-canada@lists.gpfn.sk.ca, qrp-1@lehigh.edu  
Subject: [94879] Solar Flux 219!!!  
Message-ID: <Pine.SUN.4.10.10103242053010.7307-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

The NOAA forecast for this weekend was a solar flux of 180. But today, two M1 class flares caused the solar flux to shoot up to 219. Dang ... ain't got no shortwave receiver or 10M rig to see what the upper bands are doing ... but I bet 10M will be great for DX most all day sunday! Two solar regions are suddenly growing in intensity and capable of producing some fairly large flares (M class) that could elevate the solar flux even more over the next few days.

Keep your ears on 10M for some nice daytime propagation.

72, Paul NA5N

-----  
Date: Sun, 25 Mar 2001 00:20:44 EST  
From: DYARNES@aol.com  
To: qrp-1@lehigh.edu  
Subject: [94880] Golf Cart Mobile  
Message-ID: <8.1217f3bf.27eeda2c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

As Ron, KU7Y, has posted the two of us got our round of golf in and some QRP DX Contesting at the same time. It was a hoot! I have to give a lot of credit to Vern Wright for his MP-1 portable antenna (that's the mini sized version of the PW-1--everything except the base mount all fits inside the loading coil--very nifty). It took about 2 minutes (yeah, I'm slow) to get the antenna put together and clamped to the roof sidebar at the back of the golf cart. I just trailed the ground radials behind us, which worked just great until I forgot about them being there and backed up over them straining a couple of the radials until they broke! What a dumb----- I can be! No biggie though, as I have lots more of that kind of stuff around here.

Anyway, the very first QSO was with an HB4 in Switzerland! How's that for getting started with a bang! There's a nice little basket in the back of most golfcarts, right behind the backrest. I had my little Sears power pack and the FT-817 resting nicely on my golf shoe bag. Worked very FB. We just

grabbed the mike whenever one of us had the urge, and worked a bunch of DX contest QSO's. We were following a somewhat show foursome, so we had lots of little opportunities to scan a bit and jump on some poor soul calling CQ. We had at least a couple of guys chuckling pretty good over our little outing when we told them we were "golf cart mobile". By the way---I have photos! Digital!

After the golf game, I drove Ron over to see the Cochise Stronghold (where the famous Apache chief Cochise spent much of his time), which is very close to where we were playing golf. It's really a beautiful place, and has a fascinating history. For you GPS gurus, the golf course is at approx. 31 degrees 56 minutes North, and 109 degrees 50 minutes West. The Cochise Stronghold is about 7 miles due west of there at 109 degrees 56 minutes West. There is a neat campground there which I was hoping Ron might be able to get his 5th wheel into, but I had forgotten that most of the spots are a bit on the small side.

It was a great day, and I got to do the two things I like best---Play golf and tinker with radios. Thanks to Ron for giving me an excuse to do this, and I enjoyed the company a bunch! Ron broke 100! I had three birdies! Life is good!

72 de Dave W7AQK

P.S. I wonder if Yaesu has a better noise filter that will work on golf cart QRN!!! Gads, those things generate a bunch of hash!

-----

Date: Sun, 25 Mar 2001 00:11:24 -0700  
From: "Steve/n0tu" <n0tu@webaccess.net>  
To: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [94881] Tick w/SMK-1  
Message-ID: <012301c0b4fa\$cdb5340\$6a211d82@sg2939h.col.hp.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone using a Tick keyer chip installed w/their SMK-1?

If so, where did you tie into the Tick's audio of the SMK?

TIA, Steve/n0tu

-----

Date: Sat, 24 Mar 2001 23:39:41 -0800  
From: "Dan McLaughlin" <danmclaughlin@lycos.com>  
To: qrp-1@Lehigh.EDU  
Subject: [94882] Looking for parts  
Message-ID: <EDJOPHNELOCKGAAA@mailcity.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Language: en  
Content-Transfer-Encoding: 7bit

I'm looking for some parts to build an IOWA QRP 10.

Tuning diode MVAM108  
MRF237 final power transistor  
10K, 10 turn panel mounted pot.

Any suggestions?

Dan  
KD5DET

Get 250 color business cards for FREE! at Lycos Mail  
[http://mail.lycos.com/freemail/vistaprint\\_index.html](http://mail.lycos.com/freemail/vistaprint_index.html)

-----  
Date: Sun, 25 Mar 2001 09:57:05 +0100  
From: "Graham Firth" <graham.firth@btinternet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [94883] Re: Chuck Adams K7QO presents at Atlanticon  
Message-ID: <004f01c0b509\$91926f00\$02010080@graham>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi  
George missed one thing out of his review of Chuck's life history - in my  
eyes, almost as important as all the wonderful stuff he wrote!  
Did you know that Chuck told me that he was at school with Roy Orbison?

I am known on this list as a big, big Buddy Holly fan, but Roy Orbison is my  
number two! And I have met someone who was at school with him - wow!

Sorry to let the cat out of the bag Chuck!

See you at Atlanticon!

72/3  
Graham  
G3MFJ

-----  
Date: Sun, 25 Mar 2001 06:19:05 EST  
From: K5BDZ@aol.com  
To: qrp-1@lehigh.edu, hqrp@stevens.com  
Subject: [94884] 1 watt SSB into VK from S. Tx  
Message-ID: <66.d45f925.27ef2e29@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Well the "lazy boy" wire antenna in the pines and 1 watt from SG2020 just worked VK5GN on 14.217 MHz on SSb @ 0515 hrs. He said readability 5 strength 6 and was really surprised.

I'm starting to sound like Dave NF0R, and just as tickled.

Bill K5BDZ...in Tomball, Tx (Houston)

-----  
Date: Sun, 25 Mar 2001 07:13:23 EST  
From: K5BDZ@aol.com  
To: K5BDZ@aol.com, qrp-1@lehigh.edu  
Subject: [94885] Re: 1 watt SSB into VK from S. Tx  
Message-ID: <2d.950ba8c.27ef3ae3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Someone asked where the name "lazy boy" antenna came from... well it's really configured like a chaise lounge with the high back and legs straight out, but I'm just an ol' country boy ...and I can't spell "Chaise Lounge" so Lazy Boy (like the recliner) is more apropos.

Oh yes, the wire is 18 ga. green cover, so I guess it's a Green Nougahyde Lazy Boy.

K5BDZ

-----  
Date: Sun, 25 Mar 2001 08:01:58 -0500 (EST)  
From: "John L. Sielke" <w2agn@pobox.com>  
To: Michael Bower <bowerm@ix.netcom.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [94886] Re: Snap Transmitter?  
Message-ID: <XFMail.010325080158.w2agn@pobox.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
MIME-Version: 1.0

Well, the thing about it..I was giving it away. Thought the recipient would have spoken up by now.

John W2AGN

On 24-Mar-01 Michael Bower wrote:

> Psst. Shhh. Psst. John, tell him the answer is no. See if he'll  
> buy it again.

>

> Shhh. Don't tell him I said this...

>

> Psst. Shhh

>

>

> <grin><grin><grin><grin><grin><grin><grin><grin>

>

>

>

>

> Joseph I Pirkle wrote:

>

>> John,

>> Before I approach you. Did I pay for it yet? I forgot....

>> >

>> > ----- Original Message -----

>> > From: "John L. Sielke" <w2agn@pobox.com>

>> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>> > Sent: Saturday, March 24, 2001 1:28 PM

>> > Subject: Snap Transmitter?

>> >

>> >

>> > > I know I am bringing a Snap transmitter kit for someone to

>> > Atlanticon. I

>> > just

>> > > forgot who. Anyway, you can probably find me. 6'2" 210 pounds,

>> > glasses,

>> > grey

>> > > hair and beard. I'll be arriving Friday afternoon. White Ford

>> > Explorer

>> > with

>> > > Texas Bugcatcher antenna and call sign plates.

>> >  
>> >  
>>  
>> Joe Pirkle, AD4IH,  
>> "Everyone seems normal until you get to know them."  
>> ad4ih@att.net / ad4ih@arrl.net  
>  
> --  
> 73 de N4NMR  
> Michael Bower  
> Ashburn, VA (near Washington, D.C.)

-----  
Date: Sun, 25 Mar 2001 08:07:41 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: w1hue@amsat.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [94887] Re: "Super Tee Antenna Tuner"  
Message-ID: <3ABDED9D.92E6097C@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Larry,

Actually Ulrich Rhode used a 4:1 balun transformer in a tuner design written up in Ham Radio somewhere around 1975-1976.

73

-----  
Date: Sun, 25 Mar 2001 07:37:15 -0600  
From: Paul Dryer <psdryer@ticnet.com>  
To: "Discussion, Low Power Amateur Radio" <qrp-1@Lehigh.EDU>  
Subject: [94888] X-ray machines...  
Message-ID: <3ABDF48A.2309EB89@ticnet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone out there know of the effects of airport baggage scanners on radio gear?  
I've never heard it discussed before and was curious about possible damage.  
Something I've taken for granted as harmless in past travels.



Also, I'll be operating out of a hotel room in Eminence, Ky on April 6th and 7th,

1 watt, indoor 1/2 wave wire, at 8:00 to 10:30 pm local, on 14,060.

Paul Dryer, KD5IVP, DeSoto, Tx

-----  
Date: Sun, 25 Mar 2001 07:37:54 -0600

From: "Jim" <sunwatt@starband.net>

To: "DigitalRadio" <digitalradio@yahoogroups.com>, "MFSK-L" <MFSK@yahoogroups.com>

Cc: "QRP-L" <qrp-L@Lehigh.edu>

Subject: [94889] Hamscope 1.3

Message-ID: <002c01c0b530\$d2fb0de0\$9a354794@computer>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Last evening I had a chance to try out the latest version of HamScope on MFSK16.

I was had just worked PJ5/K1NA on 30M with 750mW CW, looked up the band, and there were two MFSK QSO's and a couple psk31 Q's going on.

WN2T Greg in NJ was CQ'ing and I called him back with 750mW, we exchanged info, and after that I went ahead and ran the power up to 2 watts. He was copying me ok, I just didn't want to lose him. And I wanted to give this new version a fair chance of completing the QSO.

No problems tuning him in or staying right on his signal.

In fact Greg was using HamScope V1.21, so I was able to inform him of the up-grade, and he said he would download the new version right away.

So far I've tested psk31, and MFSK16. No problems, it works great. RTTY is next.

They say you can use Logger with Hamscope, so I need to read up on that today.

I contacted the programmer Glen, and thanked him. Then suggested he add standard Feld-Hell, plus PSKHell1245, & FMHell1245 later on.

He said he plans to add new features as he goes along. "Maybe dual channel RX", and/or other modes.

Get it here, <http://users.mesatop.com/~ghansen/>

Thanks Glen!!

Jim KJ5TF  
"All Milliwatts, All The Time"

-----  
Date: Sun, 25 Mar 2001 08:42:24 -0500 (EST)  
From: "John L. Sielke" <w2agn@pobox.com>  
To: qrp-l@lehigh.edu  
Subject: [94890] QRPTTF  
Message-ID: <XFMail.010325084224.w2agn@pobox.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
MIME-Version: 1.0

Trying to find an appropriate monolith. My usual Field location at East Point Lighthouse does not make it, as that is not a "monolith" type lighthouse, so I decided I will go down to Cape May Lighthouse, which is a classic "monolith" type. Not only can I work QRPTTF, but if someone needs a lighthouse contact for the Lighthouse Awards, I can give that out, too.

"Lighthouse Awards?" you say. Check out <http://www.arlhs.com>.

John W2AGN

-----  
Date: Sun, 25 Mar 2001 08:43:26 -0500  
From: "Ed Tanton" <n4xy@att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [94891] RE: X-ray machines...  
Message-ID: <CKEGICNFDIMCEKEDCEHFKEJLGIAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi Paul... I've NEVER heard of a problem, and do not believe any exist. The dosage is so low, that except for multiple passes (> 2) or defective machines, even film isn't normally at risk. That said, the truth is I keep my film in leaded holders, and must get them inspected-if they're alert enough to notice the small, shielded brick with my film container. But not my electronics.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

-----  
Date: Sun, 25 Mar 2001 08:56:25 EST  
From: Drbob92031@aol.com  
To: qrp-l@lehigh.edu  
Subject: [94892] Beware; X-ray machines...  
Message-ID: <7d.12c47bd3.27ef5309@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

To all;

Taking home brew gear on flights and having it pass thru the x-ray machine has created situations for me.

The viewing person was alerted to all the wires and "stuff" she saw on her x-ray viewing screen. A security person with a huge pistol was called over and I had to go to a "special room" and unpack the box with the home-brew gear. When all involved were satisfied that my FCC license and the assorted gear were not bombs and I was not going to blow myself and the plane out of the sky I was allowed to repack and just make the flight.

For a while there it was scary,.That pistol kept getting bigger and bigger as I looked at it. Its a good thing my wife's undies were packed in another box..But that is another story

72/73 de Bob WA2EAW

-----  
Date: Sun, 25 Mar 2001 07:02:40 -0700  
From: Bruce Grubbs <n7ceeqr@earthlink.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [94893] FS: Lower prices- Wilderness Sierra, NC20

Message-ID: <5.0.2.1.0.20010325070044.037e5e70@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

For sale, prices lowered:

Wilderness Radio Sierra with KC2 digital display/keyer, noise blanker, all 9 band modules for 160-10 meters. Has front panel ABX control (adjustable bandwidth crystal filter). Carefully assembled, with no mods, in perfect condition electrically and cosmetically. Manual for the Sierra and options included. I will ship in my homebrew custom foam case, which is excellent for field protection of the radio. I'm the builder of the kit, and it's had a good home.

Asking \$450, which includes UPS ground to the 48 US states.

Also NorCal 20, assembled, in original NorCal aluminum case with laser transparency labels and acrylic spray coating. Keyer instructions on top panel of case. Has 10 turn pot tuning mod, AGC mod, and rear panel power switch mod. Works perfectly and the case is in perfect condition. Includes all documentation.

I'm asking \$85, which includes UPS ground to the 48 US states.

73,  
Bruce

-----  
Date: Sun, 25 Mar 2001 09:12:25 -0500  
From: "Ed Tanton" <n4xy@att.net>  
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Subject: [94894] RE: Beware; X-ray machines...  
Message-ID: <CKEGICNFDIMCEKEDCEHFOEJMGIAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

There IS that isn't there? Remind me to tell you about the time I took a classified satellite something from Atlanta to Boston and back (for a 3-axis vibration), and wouldn't let anybody but the Supervisors look at it. Foolish but fun-when you're less than 25 years old.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

-----  
Date: Sun, 25 Mar 2001 09:40:47 -0500  
From: "Nick Yokanovich" <k3ny@toad.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [94895] Re: Beware; X-ray machines...  
Message-ID: <048a01c0b539\$95bb0940\$78bd21a2@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I don't think there is any way the X-rays could affect the gear passing thru inspection.

I always have a rig with me when travelling, and Security reactions have varied greatly. Some don't even slow down the belt, some stop it and look briefly, some operators have called over supervisors for a second opinion. Some of those have waved it thru, and some have pulled the bag off for closer exams, which could include the patch and probe or an unpacking. In the end I have always been allowed to proceed.

Be prepared to demonstrate the gear works. The last time thru a European airport I was asked to prove the gear was actually a working radio. Fortunately I had a battery pack and could power up to produce noise from an internal speaker. This requirement could pose a problem if you have packed the battery in your checked luggage, or if you have no way of producing audio from the gear (headphones or external speaker also checked, no

internal speaker). This caution applies equally to homebrew and commercially-built gear. I don't know what the next step might have been if the rig was, say, a DSW and I had no battery or phones. Disassembly I guess.

73, Nick K3NY, Arnold, MD

-----  
Date: Sun, 25 Mar 2001 07:27:53 -0700  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [94896] C-21  
Message-ID: <MABBIKAEJKMHLIDDGMCKCEDGCGAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Shawn,

I own a C-21 and the most I can get out of it is 30watts. Manual says 70w input with 25 to 30 watts typical out. At full smoke, my sidetone does not change pitch and sounds good. Neat rig, and I like mine. Has a nice receiver with fast qsk. I need to rebuild my vfo also. Good luck with your C-21. 72, Tom WB5QYT...."Have spud will travel!"

-----  
Date: Sun, 25 Mar 2001 08:56:24 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <k3ny@toad.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [94897] Re: Beware; X-ray machines...  
Message-ID: <015f01c0b53b\$c51af4f0\$7729aec7@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I had to find a screwdriver and pop the covers off of a 2 meter FM rig I used to carry many years ago. No way I could power it up. I carried only a cigarette lighter adapter.

I've wondered about that problem should I ever try to carry my DSW-40 through. Take the top cover off, I guess.

I do wish that they would put people in those positions who were capable of being taught some technical recognition. So they could tell the difference between a circuit board with a few common components and a bomb.

Fat chance, right?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandoooley@pipeline.com  
Web site: <http://www.qsl.net/wb9tka>  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Nick Yokanovich" <k3ny@toad.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Sunday, March 25, 2001 8:40 AM  
Subject: Re: Beware; X-ray machines...

>  
> Be prepared to demonstrate the gear works.  
> The last time thru a European airport I was asked to  
> prove the gear was actually a working radio. Fortunately  
> I had a battery pack and could power up to produce  
> noise from an internal speaker. This requirement could pose a  
> problem if you have packed the battery in your checked  
> luggage, or if you have no way of producing audio from  
> the gear (headphones or external speaker also checked, no  
> internal speaker). This caution applies equally to homebrew  
> and commercially-built gear. I don't know what the next step  
> might have been if the rig was, say, a DSW and I had no  
> battery or phones. Disassembly I guess.  
>  
> 73, Nick K3NY, Arnold, MD  
>

-----  
Date: Sun, 25 Mar 2001 10:40:17 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: psdryer@ticnet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [94898] Re: X-ray machines...  
Message-ID: <3ABE1161.6BA6197@erols.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Paul,

Airport X-Ray machines are unlikely to cause any harm to your radios. I have been through them many times, albeit in the 70's and 80's, but with solid state gear. Never had a problem.

73

-----  
Date: Sun, 25 Mar 2001 10:55:00 -0500  
From: "David Porter" <aa3ur@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [94899] Re: Beware; X-ray machines...  
Message-ID: <001301c0b543\$f39d9140\$926e0941@jamison1.pa.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You could easily include the DSW Instruction manual. That *\*might\** work.

David Porter  
aa3ur@home.com  
AA3UR

----- Original Message -----

From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Sunday, March 25, 2001 9:56 AM  
Subject: Re: Beware; X-ray machines...  
<snip>

> I've wondered about that problem should I ever try to carry my DSW-40  
> through. Take the top cover off, I guess.

>

<snip>

> Dan W. Dooley WB5TKA Bedford, Texas EM12ku

> e-mail to: dandooley@pipeline.com

> Web site: <http://www.qsl.net/wb9tka>

> SOC #198, FPQRP # -104

> May Goddes love blest ye alle

> "Ancient Pistol, I do partly understand your meaning."

>

>



>  
> ----- Original Message -----  
> From: "Nick Yokanovich" <k3ny@toad.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Sunday, March 25, 2001 8:40 AM  
> Subject: Re: Beware; X-ray machines...  
>  
>  
> >  
> > Be prepared to demonstrate the gear works.  
> > The last time thru a European airport I was asked to  
> > prove the gear was actually a working radio. Fortunately  
> > I had a battery pack and could power up to produce  
> > noise from an internal speaker. This requirement could pose a  
> > problem if you have packed the battery in your checked  
> > luggage, or if you have no way of producing audio from  
> > the gear (headphones or external speaker also checked, no  
> > internal speaker). This caution applies equally to homebrew  
> > and commercially-built gear. I don't know what the next step  
> > might have been if the rig was, say, a DSW and I had no  
> > battery or phones. Disassembly I guess.  
> >  
> > 73, Nick K3NY, Arnold, MD  
> >  
>

-----  
  
Date: Sun, 25 Mar 2001 07:52:01 -0800  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'Drbob92031@aol.com'" <Drbob92031@aol.com>, Low Power Amateur Radio  
Discussion <qrp-l@Lehigh.EDU>  
Subject: [94900] RE: Beware; X-ray machines...  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D53217F6@arcadia-pd1.ci.arcadia.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

A few other caveats for travelers...

A friend of mine who also works in electronic security  
had to travel with his special receiver and other test gear.  
A minimum-wage earning contract airport security employee (in the US)  
"with an attitude" promptly opened his equipment case, upside-down  
allowing a \$2000 receiver and other goodies to fall out and go crunch.

These functional illiterates can be taught to recognize

basic shapes, such as pagers, cell-phones or rechargeable shavers in their Xray machine. Some may even recognize the shape of a handheld radio.

Radio gear that was obviously manufactured looks "normal" to these defenders of our security, but homebrew QRP chassis, tuners, wire reels, battery packs and keys may distress their brain-stems.

Many years ago, I heard of a ham who went to a country where the military used DTMF (touch-tone) signaling on a band just below or above the two-meter band. The hapless Amateur did not know this country's military used Amateur gear like his. He had some explaining to do.

A few years back, some poor geologist or scientist was arrested for carrying a GPS receiver (part of his work) by some backwater police or military.

In some places, there may be no problem in obtaining permits for, or bringing in radio equipment through customs. But, some local official (in need of recognition from his superiors) may see the matter differently and view you and your QRP-CW station as something out of a spy novel.

Many of us are used to open borders, and unrestricted travel and communications. To us, it is hard to imagine that some countries are extremely suspicious of travellers with radio equipment.

Please be careful if you plan to travel with radio equipment. Check with your amateur radio association or League first. If you have a contact or sponsor in the country you plan to visit, have them help you. Be sure you bring all of your amateur licenses, permits, etc. Extra copies of documents, plus laminating and attaching copies of licenses/permits to the radio(s) may also help.

Jay  
W6CJ

-----Original Message-----

From: Drbob92031@aol.com [mailto:Drbob92031@aol.com]

Sent: Sunday, March 25, 2001 5:56 AM

To: Low Power Amateur Radio Discussion

Subject: Beware; X-ray machines...

To all;

Taking home brew gear on flights and having it pass thru the x-ray machine has created situations for me.

The viewing person was alerted to all the wires and "stuff" she saw on her x-ray viewing screen. A security person with a huge pistol was called over and I had to go to a "special room" and unpack the box with the home-brew gear. When all involved were satisfied that my FCC license and the assorted gear were not bombs and I was not going to blow myself and the plane out of the sky I was allowed to repack and just make the flight.

For a while there it was scary,.That pistol kept getting bigger and bigger as

I looked at it. Its a good thing my wife's undies were packed in another box..But that is another story

72/73 de Bob WA2EAW

-----  
Date: Sun, 25 Mar 2001 08:51:40 -0700  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-l@lehigh.edu>  
Subject: [94901] S-120 manual  
Message-ID: <MABBIKAEJKMHLIDDGMCKKEDGCGAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Need a manual for a Hallicrafters S-120 shortwave receiver. Neat little receiver that a buddy of mine picked up at a garage sale for 5 bux! Very clean to boot! Reminds me of my ol' "Star Roamer". Anyone have one of those for sale?

72, Tom WB5QYT....."Have spud will travel!"

-----  
Date: Sun, 25 Mar 2001 10:19:16 -0600  
From: "Jim" <sunwatt@starband.net>  
To: "Mark Huser" <mhuser@nc.rr.com>  
Cc: "QRP-L" <qrp-l@Lehigh.edu>  
Subject: [94902] Re: Hamscope 1.3  
Message-ID: <000701c0b547\$6166b3c0\$9a354794@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

At this URL you can listen to all the popular digital modes by small downloadable wav files.

<http://www.teleport.com/~nb6z/about.htm>

Have fun!!

Jim KJ5TF

----- Original Message -----  
From: "Mark Huser" <mhuser@nc.rr.com>  
To: <sunwatt@starband.net>  
Sent: Sunday, March 25, 2001 12:07 PM  
Subject: Re: Hamscope 1.3

>  
> Jim,  
>  
> I read your posting on QRP-L. Was wondering what MFSK16 sounded like. I  
> just got my interface for PSK-31 on the air Thursday and have made a few  
> contacts. Every now and than I see a signal 3 or 4 times wider than a  
> psk-31. I turn on the speaker and it kind of sounds like a cricket. I  
> thought it might be AMTOR but it still sounded somewhat different. Could  
it  
> be MFSK16 or does it sound more like PSK-31.  
>  
> Thanks,  
>  
> Mark - KB9CRJ  
>

-----  
Date: Sun, 25 Mar 2001 16:29:27 -0000  
From: "Tom Azlin" <tom@nilza.org>  
To: "DigitalRadio" <digitalradio@yahooogroups.com>, "MFSK-L"  
<MFSK@yahooogroups.com>, "Jim" <sunwatt@starband.net>  
Cc: "QRP-L" <qrp-L@Lehigh.edu>  
Subject: [94903] Re: [MFSK] Hamscope 1.3  
Message-ID: <009701c0b548\$c3091900\$6301a8c0@nilza.org>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Jim,

I also have been using the new HamScope 1.3 and find it is a great improvement from version 1.21. Particularly the Yaesu and Kenwood rig controls (including the FT-817) though if I am on a mountain top using my FT-817 I am unlikely to have my laptop along! <grin> And the AFC does not drift down anymore.

Don't know whom "they" is, but HamScope does not work with Logger - I tried when 1.21 came out and just checked 1.3. I put Logger in the logging program section of the general setup menu and nothing happens. I've be very interested in documented report of how Logger and HamScope work together! They can co-exist if you make sure only one is talking to the radio, i.e. you get to cut and paste. YPlog is the logger that Glen wrote HamScope to interchange data with automatically - I've been recently using that combo instead of the Logger/Zakanaka combo that was my prior option. (BTW the Logger does work all if IZ8BLY's software so that is how I worked PSK-31, MFSK16, RTTY, and Hellschreiber modes with a logger before HamScope.) I may convert my log files over to the YPlog format - I use a laptop for testing modes and YPlog has a mode where a YPlog server on a net makes sure all running copies of YPlog have the current log info regardless of computer used to make the contact.

----- Original Message -----

From: "Jim" <sunwatt@starband.net>

>

> They say you can use Logger with Hamscope, so I need to read up on that  
> today.

>

> I contacted the programmer Glen, and thanked him. Then suggested he add  
> standard Feld-Hell, plus PSKHell245, & FMHell245 later on.

>

> He said he plans to add new features as he goes along. "Maybe dual channel  
> RX", and/or other modes.

> Thanks Glen!!

Yes, thanks Glen!!

73, Tom n4zpt

-----

Date: Sun, 25 Mar 2001 11:25:13 -0500

From: Bruce Muscolino <w6toy@erols.com>  
To: JCoote@ci.arcadia.ca.us  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [94904] Re: Beware; X-ray machines...  
Message-ID: <3ABE1BE9.20BF976@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jay,

The "open borders" policy is a relatively recent thing. Back in the 70's and 80's I traveled extensively for Lear-Siegler in support of the F-16 autopilot program. The closest thing I ever came to an "open border" was in The Netherlands, and that only applied if you weren't too concerned about taking what you brought in back out! Even "Merry Olde England" had restrictions.

I have found it does almost no good to argue with the floor personnel. You have to insist on a supervisor. Then try to explain your problem. I had this fail several times from England to Holland, where my handheld was sent at cockpit baggage! Of course handhelds were a recent concept in the 70's!

All in all, I would say the best protection you can have is to have all the appropriate licenses in your possession along with any permits. This only applies to international travel. Domestic travel and you are at the mercy of the airport personnel. Perhaps you could mail the items if they are homebrew!

73

-----  
Date: Sun, 25 Mar 2001 11:27:00 -0500  
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>  
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [94905] Airport Secuirty and Ham Gear (was: Beware; X-ray machines...)  
Message-ID: <LPBBJAGIPFHKPJENAKLOEEHBECAA.n1bq@wulfden.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> -----Original Message-----

> From: Dan W. Dooley  
> Sent: Sunday, March 25, 2001 9:56 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: Beware; X-ray machines...

[snip]

> I had to find a screwdriver and pop the covers off of a 2  
> meter FM rig I used to carry many years ago. No way I  
> could power it up. I carried only a cigarette lighter adapter.

[snip]

Friday evening (3/23) my wife, W1SLR boarded a United Airlines flight to Las Vegas from here in Burlington, Vermont with two pocket knives, which she always carries and just had to throw them in the basket with her keys, and a Kenwood THD7AG talkie, a Kenwood TMD700A APRS Dual Band Data radio, a 1/4 wave mag mount antenna, and a GPS II+ all in her carry on luggage. She said to the guy that she had ham radio gear in the bag as it went through the x-ray machine and they never even opened it.

I guess it comes down to the paranoia level of the moment! I am heading to Baltimore next week for Atlanticon by air as well. I will be taking my laptop, my K-1/Z-11, my Warbler, my THD7AG and Tripmate GPS (and YES, I think there's room left for the toothbrush and a change of socks and skivvies!) I let you know how I fared on that.

-----  
Date: Sun, 25 Mar 2001 11:46:00 -0500  
From: rich a <rckchp@home.com>  
To: psdryer@ticnet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [94906] Re: X-ray machines...  
Message-ID: <3ABE20C7.9C769B6A@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Paul Dryer wrote:

>  
> Anyone out there know of the effects of airport baggage scanners on  
> radio gear?

Reminds me of the time I was going through security checkpoint at Charles DeGaul Airport in Paris. My film was in lead enclosures..... of the round tube variety, neatly held together with rubber bands. You can imagine what that looked like on the x-ray machine! Next thing I knew

they had me spread eagle, frisked and in detention while they called the bomb sniffing dogs. In a few minutes an english speaking security man arrived but I had to take the film out of the tubes to convince them that it wasn't sticks of dynamite. They suggested I use a different shape film enclosure in the future.....I agreed.....the lead tubes were discarded right into the wastebasket in the detention office!

Rich KB2CPE

-----  
Date: Wed, 21 Mar 2001 01:16:57 -0800  
From: "Kevin Asato" <kevin.k.asato@worldnet.att.net>  
To: <psdryer@ticnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [94907] Re: X-ray machines...  
Message-ID: <002701c0b1e7\$af26ef20\$8201a8c0@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Never had any problems with the handhelds and scanners I've taken through airport X-ray; same for the TNCs and associated cables (and also a spare missile guidance computer, once from a former life!) - all with no ill effects.

It was great looking at the video and see everyone get excited over the fact that they had observed a computer/laptop in my bag - airport security knows those things and can ask you to turn them on, everything else is a bit much over their heads and even shied away when I offered to open things or power them on.

Kevin K Asato  
KC6POB  
Systems Engineer  
ADC (PairGain) Tech Support  
800.638.0031 / 714.730.3222 (voice)  
714.730.2400 (fax)

----- Original Message -----

From: Paul Dryer <psdryer@ticnet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Sunday, March 25, 2001 5:37 AM  
Subject: X-ray machines...

> Anyone out there know of the effects of airport baggage scanners on  
> radio gear?



> I've never heard it discussed before and was curious about possible  
> damage.  
> Something I've taken for granted as harmless in past travels.  
>  
> Also, I'll be operating out of a hotel room in Eminence, Ky on April 6th  
> and 7th,  
> 1 watt, indoor 1/2 wave wire, at 8:00 to 10:30 pm local, on 14,060.  
> Paul Dryer, KD5IVP, DeSoto, Tx  
>

-----  
Date: Sun, 25 Mar 2001 11:04:34 -0700  
From: Bruce Grubbs <n7ceeqrp@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [94908] Re: FS: Lower prices- Wilderness Sierra, NC20  
Message-ID: <5.0.2.1.0.20010325110412.037b7280@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

The NC 20 is spoken for.

73  
Bruce  
N7CEE

-----  
Date: Sun, 25 Mar 2001 13:25:47 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Cc: "NJQRP" <NJQRP@njqrp.org>  
Subject: [94909] Maps & Agenda for the Atlanticon QRP Forum next weekend  
Message-ID: <009101c0b559\$05d33b20\$fbee9@ghlpt4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

"Do you know the way to ... Timonium"? Well, with these maps and  
directions, you will!

<http://www.njqrp.org/atlanticon/maps.html>

So what's exactly happening at the Atlanticon weekend? For an hour-by-hour  
detailed agenda, see ...

<http://www.njqrp.org/atlanticon/agenda.html>

73,

George N2APB, n2apb@amsat.org

Joe N2CX, n2cx@voicenet.com

-----  
Date: Sun, 25 Mar 2001 19:30:40 +0100  
From: "TC Dufresne" <tdufres@radiks.net>  
To: <danmclaughlin@lycos.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [94910] Re: Looking for parts  
Message-ID: <002501c0b559\$b2abe360\$0501a8c0@computer1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dan:

Noticed you were looking into the Iowa QRP 10 meter rig. So am I! Maybe we can have a contest like the big boys?! (j/k) I noticed that Allied Electronics as the parts you requested. [www.alliedelec.com](http://www.alliedelec.com) 10 turn pot MRF 237 NPN RF parts [www.rfparts.com](http://www.rfparts.com)

Tuning Diode- Direct from Doug Hendricks at NC qrp, I guess. He has a substitute part available.

No, I don't have the parts yet, but I had a a nice QSO with Mike Fitzgibbon (N0FM) and he was so gracious as to send me a copy of April 2000 QRPp where his article was published. GREAT drawings, he penned in some changes himself that were left out in the original drawings. Very cool. Having just finished my CW coder for my HTX-10 Radio Shack unit, I find myself looking for another project! I will get to it as soon as I complete my Kitchen regen receiver, part two. Im gonna use the PCB this time and then build one for my nephew! (rather, HE will build, I will "direct" . :)

Good luck, it looks like a neat project. Be sure to look at the NORCAL websites for the "contests" that they are running for this unit. GREAT!

Tom

KC0GXX

----- Original Message -----

From: "Dan McLaughlin" <danmclaughlin@lycos.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, March 25, 2001 8:39 AM

Subject: Looking for parts

> I'm looking for some parts to build an IOWA QRP 10.  
>  
> Tuning diode MVAM108  
> MRF237 final power transistor  
> 10K, 10 turn panel mounted pot.  
>  
> Any suggestions?  
>  
> Dan  
> KD5DET  
>  
>  
>  
> Get 250 color business cards for FREE! at Lycos Mail  
> [http://mail.lycos.com/freemail/vistaprint\\_index.html](http://mail.lycos.com/freemail/vistaprint_index.html)

-----  
Date: Sun, 25 Mar 2001 11:53:58 -0700  
From: "Steve/n0tu" <n0tu@webaccess.net>  
To: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [94911] Re: 2-mW beacon 21.061 de n0tu  
Message-ID: <01c101c0b55c\$f38d0d20\$6a211d82@sg2939h.col.hp.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Big Thanks to all who tried to listen for my 15m beacon and copy both 2mW or 15mW level beacon's yesterday. That was fun!

I got reports from Steve/VE7SL (CN88) Mayne Island, BC and Dave/NF0R in MO. I know several others who said they tried but heard zip. It kept me busy while stuffing Tick into the SMK-1box.

BTW- the code word was "HOME BREW" as in Homebrew Sprint this afternoon. CU there!

Steve/n0tu

-----  
Date: Sun, 25 Mar 2001 11:52:02 -0700

From: "James R. Duffey" <jamesd1@flash.net>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [94912] "Optimum" Buried Radial Length (long)  
Message-ID: <B6E38C62.7A72%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="ISO-8859-1"  
Content-transfer-encoding: quoted-printable

Bob - As many others have pointed out, there is little sense in having resonant radials when they are buried, so there is little need to think of radials for separate bands.

Here is my suggestion for the "optimum" number and length of radials to use for a ground mounted vertical. To use the chart, determine how much wire you have for radials, or how much wire you can afford to buy. Then the chart will tell you how many pieces of what length to cut the wire into. The chart is for 20 M, but it can be easily scaled for other bands. Multiply the length columns by the ratio of the frequency you are calculating for to 20=A0M. So to adjust these numbers to 40 M multiply by 2.

For 20 M (66 ft wavelength) suggest the following:

wire length	number	Length	Comments
66 ft	17	3.9 ft	
100 ft	21	4.8 ft	
200 ft	30	6.7 ft	
343 ft	40	8.5 ft	1/8 wave radials
500 ft	48	10.4 ft	
700 ft	57	12.2 ft	
830 ft	62	13.2 ft	0.2 wavelength case
1000 ft	68	14.7 ft	
1296 ft	78	16.5 ft	quarter wave length radials
2000 ft	97	20.6 ft	
3318 ft	125	26.4 ft	"reference" 0.4 wavelength radials
4000 ft	127	29.0 ft	

Caution!: Numbers in the table appear to be more rigorous than they really are.

I discuss how I calculated these below.  
=20

I am not totally satisfied that these numbers are the best at short radial lengths. My calculations produce more and shorter radials than the Handbook numbers, particularly for the shorter (and fewer) radial cases. The error is worst at the shorter radial length; I get 30-0.1 wavelength radials,

while the optimum (Antenna Book) says 16. I get better agreement for the longer radials; my 0.4 wavelength number is 125 vs the Handbook value of 120, and for 0.25 wavelength I get 78 vs the handbook value of 90, while for 0.2 wavelength radials I get 62 vs the handbook value of 60. On the other hand, I am not sure how significant the difference is or what it means. I think that these numbers are a good starting place though, and point out the problems of 4 quarter wave radials rather well.

Surplus copper wire can often be bought by the pound. House wiring is available cheap from Hardware Superstores such as Lowes or Home Depot. At my last visit I think I paid less than \$20 for 500FT of 14 gauge THHN copper wire.

There are a variety of methods that can be used to bury radials. The best is probably to rent a powered (gas or electric) lawn edger to cut the slit.

There are, of course, multiple optimums for multiple band verticals. I think that 20 M is a good compromise for 40 M through 10 M.

Some background on these calculations

Some time ago I did a "back of the envelope calculation" on the optimum number of radials (buried or laid on the ground) for the Saint Louis Vertical (SLV) at N0FR's request.

The purpose of the radials is to supply a return current to the feedline. In non technical language it gives the vertical something to "push" against. The radials collect the current from the ground. The currents in the ground are induced by the antenna. The more current that is collected the more current that can flow in the antenna so the higher the efficiency. Not technically rigorous, but you get the picture.

Now in most soils there is sufficient resistance for the induced currents to die away within about 0.01 to 0.02 wavelengths from where they are induced. Therefore, in order to gather the most induced ground current, the ends of radials should be spaced no further apart than this distance. Longer radials waste the space in between so that more current is collected if more, but shorter radials are used. The effectiveness of shorter radials is reported in the Antenna Book and in deVoldere's book on Low Band DXing. The Antenna Book has tables of "optimum ground system configurations". They recommend

16 radials of 0.1 wavelength (down 3dB from the reference 120-0.4 wavelength= h radials), 24 at 0.125 wavelengths (down 2 dB), 36 at 0.15 (down 1.5 dB), 60 at 0.2 wavelengths (down 1 dB), and 90 at 0.25 wavelengths (down 0.5 dB). Now these are based in some part on calculations, and ground calculations are a bit difficult to do well, but you get the picture; If you are only using a few radials they don't need to be long.

I did the above calculations based on the 0.02 wavelength separation between radial ends.

I hope that this helps. Sorry for the length. - Dr. Megacycle KK6MC/5  
--=20  
James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Sun, 25 Mar 2001 12:01:01 -0700  
From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "ncarc-l" <ncarc@qth.net>, "Flying Pigs" <fpqrp-l@mpna.com>, <elecrafft@qth.net>  
Subject: [94913] Iy4m Marconi memorial beacon QRV NOW  
Message-ID: <0E413G5aYY61LEdyt3c00004ea3@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

24920MHz, 559 wid QSB @ 1850z

After you copy the message checkout the webpage:  
<http://www.geocities.com/ik4nyy/beacon.html>

73, Rod N0RC  
Ft Collins CO

-----  
Date: Sun, 25 Mar 2001 15:02:09 -0400  
From: "Dave Marling" <dbm@kklis.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [94914] Re: X-ray machines...  
Message-ID: <000d01c0b55e\$18d9e3e0\$ff2ffea9@master>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Anyone out there know of the effects of airport baggage scanners on  
> radio gear?

Over the past thirty or so years I've had many occasions to fly in the US and Canada with receivers and transmitters, both commercial (for the company I worked for at the time) and amateur. I've never had any operational problems or change in specifications of either from exposure to the airport equipment.

Dave  
VE1VQ

-----  
Date: Sun, 25 Mar 2001 14:23:56 EST  
From: K5BDZ@aol.com  
To: qrp-l@lehigh.edu  
Cc: G5RJV@gqrp.com  
Subject: [94915] Symbolic QRPp  
Message-ID: <7c.1378fa5b.27ef9fcc@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

The joy of true successful QRPp operating must be similar to that of an architect who designed an opera hall so efficient a stage whisper could be heard and understood all the way up in the 5th balcony!

It's great to be active again. Now to dust off my St Louis Vertical and again prove simplicity and portablility will work the world - with one watt!

Bill K5BDZ

-----  
Date: Sun, 25 Mar 2001 14:50:56 EST  
From: DYARNES@aol.com  
To: K5BDZ@aol.com, qrp-l@lehigh.edu  
Subject: [94916] Re: Symbolic QRPp  
Message-ID: <27.12df91e4.27efa620@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 3/25/2001 12:25:19 PM US Mountain Standard Time,  
K5BDZ@aol.com writes:

<< The joy of true successful QRPP operating must be similar to that of an architect who designed an opera hall so efficient a stage whisper could be heard and understood all the way up in the 5th balcony! >>

Hmmmm! Interesting metaphor Bill. Which leads me to think of QRO as being somewhat comparable to those "younger folk" who pull up next to you at a stoplight, with their car window rolled down, and the bass from their stereos absolutely shaking the street signs!

Dave W7AQK

-----  
Date: Sun, 25 Mar 2001 14:52:54 -0500  
From: Rick Sealey <rsealey@northstate.net>  
To: qrp-l@lehigh.edu  
Subject: [94917] Re: Iy4m Marconi memorial beacon QRV NOW  
Message-ID: <4.1.20010325145047.0096f8d0@mail.northstate.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gosh, Rod, you worked Italy on 24GHz! Wow! Amazing!

(Yuk yuk and hardy har.)

-----  
At 12:01 PM 03/25/2001 -0700, you wrote:  
>24920MHz, 559 wid QSB @ 1850z  
>  
>After you copy the message checkout the webpage:  
><http://www.geocities.com/ik4nyy/beacon.html>  
>  
>73, Rod N0RC  
>Ft Collins CO

-----  
Date: Sun, 25 Mar 2001 13:55:40 -0600  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <n2apb@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>



Subject: [94918] Re: Chuck Adams K7QO presents at Atlanticon  
Message-ID: <012d01c0b565\$928ccfc0\$6518150a@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

George and gang,  
I just got through reading Chuck's article in the last year's Atlanticon 2000 Proceedings "Manhattan Style Construction", I know we are slow readers here in Ar-Can-sas! Wow, what a treasure and enjoyed it very much just like Lord Graham said I would.

This a good reason to be subscribed to the QRP Homebrewer, NorCal QRPp, etc, for Chuck has been an author in most if not all. I've always enjoy reading Chuck's articles not only because they are good, but I can put a face on the aurthor. Chuck is a super nice guy and a friend that I have enjoyed seeing and talking to at all the QRP forums for the last 10 years now. I can't believe how time flys and boy has this QRP thing been a hoooooot!!

I envy you guys going to Atlanticon!!

73 de w5jay..

-----  
Date: Sun, 25 Mar 2001 14:56:06 -0500  
From: "AI2Q Alex" <ai2q@adelphia.net>  
To: <n1bq@wulfdn.org>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [94919] RE: Airport Security and Ham Gear (was: Beware; X-ray machines...)  
Message-ID: <000301c0b565\$a1ec0da0\$df0cf618@alex>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A few years ago my wife Rona was flying to the US from VK-land via Fiji. At the Fiji layover stop her Swiss Army knife was confiscated, apparently because the blade was construed as a weapon. Later in the flight a steak was served--along with a sharp knife whose blade was longer than the Swiss Army knife's blade. :-(

-- Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
Brian B. Riley, N1BQ  
Sent: Sunday, March 25, 2001 11:27 AM  
To: Low Power Amateur Radio Discussion  
Subject: Airport Secuirty and Ham Gear (was: Beware; X-ray machines...)

> -----Original Message-----

> From: Dan W. Dooley  
> Sent: Sunday, March 25, 2001 9:56 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: Beware; X-ray machines...

[snip]

> I had to find a screwdriver and pop the covers off of a 2  
> meter FM rig I used to carry many years ago. No way I  
> could power it up. I carried only a cigarette lighter adapter.

[snip]

Friday evening (3/23) my wife, W1SLR boarded a United Airlines flight to Las Vegas from here in Burlington, Vermont with two pocket knives, which she always carries and just had to throw them in the basket with her keys, and a Kenwood THD7AG talkie, a Kenwood TMD700A APRS Dual Band Data radio, a 1/4 wave mag mount antenna, and a GPS II+ all in her carry on luggage. She said to the guy that she had ham radio gear in the bag as it went through the x-ray machine and they never even opened it.

I guess it comes down to the paranoia level of the moment! I am heading to Baltimore next week for Atlanticon by air as well. I will be taking my laptop, my K-1/Z-11, my Warbler, my THD7AG and Tripmate GPS (and YES, I think there's room left for the toothbrush and a change of socks and skivvies!) I let you know how I fared on that.

-----  
Date: Sun, 25 Mar 2001 14:57:43 EST  
From: K5BDZ@aol.com  
To: DYARNES@aol.com, qrp-1@lehigh.edu  
Subject: [94920] Re: Symbolic QRPp  
Message-ID: <2b.12e69eed.27efa7b7@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 03/25/2001 1:50:56 PM Central Standard Time, DYARNES

writes:

<< Which leads me to think of QRO as being somewhat comparable to those "younger folk" who pull up next to you at a stoplight, with their car window rolled down, and the bass from their stereos absolutely shaking the street signs! >>

That's right Dave. To hear the oboe and flute, he could more efficiently use a pair of \$1.98 earphones with a decent audio system. But with bass and percussion turned beyond hearing to "chest thumping" loud, it just screws up the rythum of his neighbor's pacemaker.

Bill 'BDZ

-----  
Date: Sun, 25 Mar 2001 15:34:32 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Cc: "NJQRP" <NJQRP@njqrp.org>  
Subject: [94921] Atlanticon Transportation  
Message-ID: <001601c0b56b\$00fcceb0\$fbee9@ghlpt4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Here's a note from Ed, K2MGM who is one of our NJQRP members on the "logistics" team for Atlanticon ... he tells us a bit about how to get aroun in the Baltimore region

73, George N2APB

=====  
ATLANTICON TRANSPORTATION

A key brochure to get a hold of is the Baltimore Mass Transit Administration's TOURIST RIDE GUIDE. This folder has a route map & info for the Metro, Bus, MARC commuter train, & Light Rail systems. Their address is:

MTA  
William Donald Schaefer Tower  
6 St.Paul Street,  
Baltimore, MD 21202, or,  
call 1-410-539-5000 or,  
toll-free: 1-800-543-9809

Connections can be made in downtown Baltimore, near Camden Yard field and the Inner Harbor, between the Amtrak, Penn Station, commuter

line from the airport, and the Light Rail line. The Light Rail line runs straight north to Timonium, where the commuter parking lot is in the back of the fair grounds, which in turn is where the hamfest/flea market is on Sat/Sun and a couple of blocks from the Holiday Inn.

After Atlanticon on Sat, I like to go to the hamfest for a few hours, and then, leaving my car there to avoid the downtown driving, take the Light Rail line down to the Inner Harbor, enjoy the sights, maybe see the Aquarium, and then we have a nice fried oyster dinner and a couple glasses of wine.

Then rest on the ride back to Timonium before the drive home.

A good street map is helpful. AAA puts out a detailed one on Baltimore and Northern Metropolitan Area (There is a Southern one, too).

Info from the state can be gotten on 1-800-543-1036.

A tourist map can be gotten from Where Magazine,  
516 N. Charles St, Suite 300,  
Baltimore, MD 21201  
1-400-539-4373

For anyone traveling on I-95, about 20 miles north of the Washington Beltway, there is a rest stop with a good Maryland information center, milepost 36.5, I believe.

73, Ed, K2MGM  
eroswell@monmouth.com

-----  
Date: Sun, 25 Mar 2001 20:37:02 -0000  
From: "K. Edwards" <n3eeg@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [94922] Index Labs QRP+ Manual?  
Message-ID: <F788NpqhNPPzQT456Un00006e84@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Does any know of a location on the web that has a copy of the manual for the Index Labs QRP+?

I have misplaced mine and sorely need to reference a copy of one...

Tnx,  
--Ken  
-----

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Sun, 25 Mar 2001 14:25:35 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <rckchp@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [94923] Re: X-ray machines...  
Message-ID: <006901c0b56b\$ced5f370\$7729aec7@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I pulled a similar stunt many years ago. I got a kick out of it at the time. Don't know if the current level of paranoia would result in the same today.

Being a part time artist, I often carried tubes of water paints with me on the road. Do some water painting in my evening hotel room leisure time.

Imagine two rows of maybe twenty some odd metal tubes, side by side. Narrow at one end (the caps) and about three inches of narrow cylindrical length with a wider edge at the bottom. IF my description is not good enough, imagine tiny tooth paste tubes.

Yep, they looked like magazine clips of high power bullets.

Once they pulled the boxes out of my brief case and identified them, they were relieved. I just stood there and let 'em look.

Haven't been tempted to do that these days.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandooley@pipeline.com  
Web site: <http://www.qsl.net/wb9tka>  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "rich a" <rckchp@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Sunday, March 25, 2001 10:46 AM  
Subject: Re: X-ray machines...

> Paul Dryer wrote:  
> >  
> > Anyone out there know of the effects of airport baggage scanners on  
> > radio gear?  
>  
>  
> Reminds me of the time I was going through security checkpoint at  
> Charles DeGaul Airport in Paris. My film was in lead enclosures..... of  
> the round tube variety, neatly held together with rubber bands. You can  
> imagine what that looked like on the x-ray machine! Next thing I knew  
> they had me spread eagle, frisked and in detention while they called the  
> bomb sniffing dogs. In a few minutes an english speaking security man  
> arrived but I had to take the film out of the tubes to convince them  
> that it wasn't sticks of dynamite. They suggested I use a different  
> shape film enclosure in the future.....I agreed.....the lead tubes  
> were discarded right into the wastebasket in the detention office!  
>  
>  
> Rich KB2CPE

-----  
Date: Sun, 25 Mar 2001 15:44:02 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [94924] You can "just show up" at Atlanticon  
Message-ID: <003801c0b56c\$54efc8f0\$fbee9@ghlpt4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A couple of guys have asked if they can attend, not having preregistered at this late date.

The answer is "sure!" You can just show up at the QRP festivities either Friday evening, or Saturday during the seminars, or Saturday evening during the building and operating competition.

You can register at the door, get your badge, materials and the Atlanticon Kit (PSK31 Audio Beacon), and be one of the gang!

73, George N2APB  
n2apb@amsat.org

-----  
Date: Sun, 25 Mar 2001 15:52:09 -0500  
From: Randy & Cara Randall <crrandal@seidata.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [94925] Re: Airport Security and Ham Gear (was: Beware; X-ray machines...)  
Message-ID: <3ABE5A79.4D5569BA@seidata.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I had an experience in the DFW airport some 15+ years ago when while I was sitting in the airport terminal waiting on a two hour delay ( Had not gone back through the metal detectors yet. ), I was asked by some security person

if I had a camera. I answered that I did not. ( It was in my luggage somewhere between LA and DFW en route to CVG. ) I did have a camera lense with me in my carry on and did he give me 1st, 2nd and 3rd degrees! He asked why I had lied to him. " I did not." I replied. "You asked if I had a camera and I do not. I have a camera lense." " Same thing." he snorted. Remember what you are dealing with when you go through security at the major airports. I have friends and family that were and are in law enforcement and I can tell you some of airport security people are not the sharpest pencils in the drawer.

Randy KB8AS0

p.s. Alex did you get ever get the knife back? Bet the confiscator took it home!

AI2Q Alex wrote:

> A few years ago my wife Rona was flying to the US from VK-land via Fiji. At  
> the Fiji layover stop her Swiss Army knife was confiscated, apparently  
> because the blade was construed as a weapon. Later in the flight a steak was  
> served--along with a sharp knife whose blade was longer than the Swiss Army  
> knife's blade. :-(

>

> -- Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> Brian B. Riley, N1BQ

> Sent: Sunday, March 25, 2001 11:27 AM

> To: Low Power Amateur Radio Discussion

> Subject: Airport Secuirty and Ham Gear (was: Beware; X-ray machines...)  
>  
> > -----Original Message-----  
> > From: Dan W. Dooley  
> > Sent: Sunday, March 25, 2001 9:56 AM  
> > To: Low Power Amateur Radio Discussion  
> > Subject: Re: Beware; X-ray machines...  
>  
> [snip]  
> > I had to find a screwdriver and pop the covers off of a 2  
> > meter FM rig I used to carry many years ago. No way I  
> > could power it up. I carried only a cigarette lighter adapter.  
> [snip]  
>  
> Friday evening (3/23) my wife, W1SLR boarded a United Airlines flight  
> to Las Vegas from here in Burlington, Vermont with two pocket knives,  
> which she always carries and just had to throw them in the basket with  
> her keys, and a Kenwood THD7AG talkie, a Kenwood TMD700A APRS Dual Band  
> Data radio, a 1/4 wave mag mount antenna, and a GPS II+ all in her carry  
> on luggage. She said to the guy that she had ham radio gear in the bag  
> as it went through the x-ray machine and they never even opened it.  
>  
> I guess it comes down to the paranoia level of the moment! I am  
> heading to Baltimore next week for Atlanticon by air as well. I will be  
> taking my laptop, my K-1/Z-11, my Warbler, my THD7AG and Tripmate GPS  
> (and YES, I think there's room left for the toothbrush and a change of  
> socks and skivvies!) I let you know how I fared on that.

--  
Country Touches, the home of great country decor!  
Check out <http://www.countrytouches.com> for country gifts and crafts!

\*\*\*

"...but our bolder ones sail on, sail on, to another land beneath another sky."  
James Taylor

-----  
Date: Sun, 25 Mar 2001 14:40:20 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>  
Subject: [94926] Re: Beware; X-ray machines...  
Message-ID: <00a001c0b56d\$e83787f0\$7729aec7@dandooley>



MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

In my view, and sorry to prolong this one so I'll make this my last comment on it to the list, the problem is not the idea of security or even the level of security, it's the inconsistency in the management of security. There are no two security check points the same (BTW I travel by commercial air at least once every week on average and have done so for over 30 years), and the levels of competency and even intelligence varies from day to day.

One point will check everything and one will check nothing. One will allow such things as laptops in their cases to pass through the x-ray machine, another will demand they be removed from the cases and passed through, while another will demand that the machines be turned on.

Some will be smart enough to recognize a circuit board, another will be truly convinced that that board has got to be something dangerous.

With that inconsistency, you can hardly anticipate what to expect when you get to the check point.

That matches the other gripe of mine. The walk through metal detectors set so ridiculously low that even the ring on your finger sets them off and NOBODY in the now long line makes it through without setting the things off. The excuse justifying that is the non-thinking traveling public who allows that sort of thing to exist with the "well you can never be too safe", or "I'd rather be a little inconvenienced and be safe." Safe yes. Ridiculous, no! There ought to be some sort of consistent standards. And, they ought to be looking for metal the size of weapons, not the nickel in my pocket.

Ok, I've said my piece on that. I'll discuss it further privately but won't drag out the thread.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandoooley@pipeline.com  
Web site: <http://www.qsl.net/wb9tka>  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

-----  
Date: Sun, 25 Mar 2001 15:56:16 -0500  
From: "Brian Murrey" <bmurrey@amexol.net>

To: <cerrandal@seidata.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [94927] Re: Airport Security and Ham Gear (was: Beware; X-ray machines...)  
Message-ID: <006a01c0b56e\$0a07fea0\$5e486f40@iquest.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Some of the LEO's around here are pretty BLUNT ended. No sharpness worries there.

I took my NC40A on a plane with coils of wire, tools, battery, etc etc in a computer carry case. All I had to do was open it and let them rub some kind of explosive detecting paper on the case. No problems.

Now when I tried to string my dipole on board they made me sit down and gave me beer.

----- Original Message -----

From: "Randy & Cara Randall" <cerrandal@seidata.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Sunday, March 25, 2001 3:52 PM  
Subject: Re: Airport Security and Ham Gear (was: Beware; X-ray machines...)

> I had an experience in the DFW airport some 15+ years ago when while  
> I was sitting in the airport terminal waiting on a two hour delay ( Had  
not  
> gone back through the metal detectors yet. ), I was asked by some security  
person  
>  
> if I had a camera. I answered that I did not. ( It was in my luggage  
somewhere  
> between LA and DFW en route to CVG. ) I did have a camera lense with me  
> in my carry on and did he give me 1st, 2nd and 3rd degrees! He asked why  
> I had lied to him. " I did not." I replied. "You asked if I had a  
camera and  
> I do not. I have a camera lense." " Same thing." he snorted. Remember  
> what you are dealing with when you go through security at the major  
airports.  
> I have friends and family that were and are in law enforcement and I can  
> tell you some of airport security people are not the sharpest pencils in  
the  
> drawer.  
>

> Randy KB8ASO  
>  
> p.s. Alex did you ever get the knife back? Bet the confiscator took  
it  
> home!  
>  
> AI2Q Alex wrote:  
>  
> > A few years ago my wife Rona was flying to the US from VK-land via Fiji.  
At  
> > the Fiji layover stop her Swiss Army knife was confiscated, apparently  
> > because the blade was construed as a weapon. Later in the flight a steak  
was  
> > served--along with a sharp knife whose blade was longer than the Swiss  
Army  
> > knife's blade. :-(  
> >  
> > -- Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.  
> >  
> > -----Original Message-----  
> > From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
> > Brian B. Riley, N1BQ  
> > Sent: Sunday, March 25, 2001 11:27 AM  
> > To: Low Power Amateur Radio Discussion  
> > Subject: Airport Security and Ham Gear (was: Beware; X-ray machines...)  
> >  
> > > -----Original Message-----  
> > > From: Dan W. Dooley  
> > > Sent: Sunday, March 25, 2001 9:56 AM  
> > > To: Low Power Amateur Radio Discussion  
> > > Subject: Re: Beware; X-ray machines...  
> >  
> > [snip]  
> > > I had to find a screwdriver and pop the covers off of a 2  
> > > meter FM rig I used to carry many years ago. No way I  
> > > could power it up. I carried only a cigarette lighter adapter.  
> > [snip]  
> >  
> > Friday evening (3/23) my wife, W1SLR boarded a United Airlines  
flight  
> > to Las Vegas from here in Burlington, Vermont with two pocket knives,  
> > which she always carries and just had to throw them in the basket with  
> > her keys, and a Kenwood THD7AG talkie, a Kenwood TMD700A APRS Dual Band  
> > Data radio, a 1/4 wave mag mount antenna, and a GPS II+ all in her carry  
> > on luggage. She said to the guy that she had ham radio gear in the bag  
> > as it went through the x-ray machine and they never even opened it.  
> >  
> > I guess it comes down to the paranoia level of the moment! I am

> > heading to Baltimore next week for Atlanticon by air as well. I will be  
> > taking my laptop, my K-1/Z-11, my Warbler, my THD7AG and Tripmate GPS  
> > (and YES, I think there's room left for the toothbrush and a change of  
> > socks and skivvies!) I let you know how I fared on that.  
>  
> --  
> Country Touches, the home of great country decor!  
> Check out <http://www.countrytouches.com> for country gifts and crafts!  
>  
>  
>  
> \*\*\*  
>  
> "...but our bolder ones sail on, sail on, to another land beneath another  
sky."  
> James Taylor  
>  
>  
>

-----  
Date: Sun, 25 Mar 2001 13:56:02 +0200  
From: "Nico Vertriest" <nvcw@village.uunet.be>  
To: "qrp-1" <qrp-1@LeHigh.edu>  
Subject: [94928] ZM-2  
Message-ID: <000201c0b56e\$944edc00\$550fbed4@immvu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello to all,

I recently built a ZM-2. When tuning up, it frequently happens that I get a match in the tune position, but when switching to operate, there seems to be a high swr I check the swr with the Stockton inline wattmeter between transceiver and the output coax jack from the zm2.

What could be the cause of that ?

Thanks in advance.

73

Nico  
on4civ

-----  
Date: Sun, 25 Mar 2001 16:02:01 EST  
From: Drbob92031@aol.com  
To: qrp-1@lehigh.edu  
Subject: [94929] lose/lose situation  
Message-ID: <e8.125946cb.27efb6c9@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi to all;

The old adage that a real ham only works on his antennas when the temperature is below freezing. I agree; as I always seemed to be sticking my hands under my arm pits when I lived in New York and decided that the antennas needed tweaking. Of course it was January or something like that.

Now I have retired and moved to sunny warm Florida with no freezing temps. But alas; I decided to work on the antenna today and it was in the 90's with a humidity to match. Instead of putting my hands under my arm pits to warm them I was using them to wipe the sweat from my eyes. It seems that a real ham can't win.

But the antenna worked FB.

GL to all and 72/73's de WA2EAW..Bob

-----  
Date: Sun, 25 Mar 2001 14:07:25 -0700  
From: Tim and Nancy Logan <cyr999@extremezone.com>  
To: qrp-1@Lehigh.EDU  
Subject: [94930] QRP++ has been sold  
Message-ID: <3ABE5E0D.CB355E4D@extremezone.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi folks - The QRP++ I put on the reflector Saturday 3/24/01 was sold within 1/2 hour. Thanks for your inquiries. S&S ARK40 is still available tho I must admit I have mixed feelings about selling it. The little battleship works beautifully - can only operate so many radios at once!  
Regards, Tim Logan KB70EX

-----  
Date: Sun, 25 Mar 2001 14:15:11 -0700

From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Cc: "Pat Byers" <pbyers@rttinc.com>, <n4so@juno.com>, "Steve/n0tu" <n0tu@webaccess.net>, "ncarc-1" <ncarc@qth.net>, "Flying Pigs" <fpqrp-1@mpna.com>  
Subject: [94931] Re: [TMPS] MS-30 LIVES!  
Message-ID: <0E20iDBLlpN7VfbiMnz0000475f@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

Last night I added the TiCK 1 keyer. Today I put some pictures of the MS-30 on my webpage:

[http://www.qsl.net/n0rc/Construction\\_Projects.html](http://www.qsl.net/n0rc/Construction_Projects.html)

At the bottom of the page are some builder notes. There are a few silkscreen and part layout-picture glitches. The notes should help prospective/current builders.

73, Rod N0RC  
Ft Collins CO

----- Original Message -----

From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, March 24, 2001 03:28 PM  
Subject: [TMPS] MS-30 LIVES!

> Well how cool is this?

>

> Today I completed the MS-30 kit that Steve "Melt Solder" Weber offered

...

-----

Date: Sun, 25 Mar 2001 15:14:14 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: jamesd1@flash.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [94932] Re: "Optimum" Buried Radial Length (long)  
Message-ID: <3ABE5FA6.A588B09D@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Caution warns me NOT to attempt to follow Jim on this or any other technical topic, but I did want to add a few points after operating a backyard vertical over 60 ground radials for the past three years or so.

In the interests of conserving QRP-L bandwidth, I am not quoting Jim's posting, but I do thank him for its usual applicability, thoroughness and accuracy.

So, my comments:

1. The cheapest radial wire I have found is at Home Depot (surely Lowe's as well); it is intercom or doorbell wire composed of three twisted strands of insulated #18 solid wire. Untwist these and you get 300 ft of radial wire for each 100 ft of purchased wire for a cost of about 1.5 cents per foot. A total of 60 radials, each 25 ft long, would cost about \$22.50.

2. I fell back upon Jerry Sevick's work on short verticals to convince myself that 0.15 to 0.2 wavelength radials were more than sufficient, his results favoring the use of more/shorter radials as opposed to fewer/longer radials. His work is well documented in his books and in early issues of QST.

3. A highly pragmatic but useful approach to deciding when to \*stop\* putting down radials is the following:

a. erect a full size 1/4-wave vertical antenna

b. drive a ground stake next to it and connect the coax

appropriately

c. connect up a convenient length of 50-ohm coax and an SWR meter and source of r-f power at the desired operating frequency

d. vary the frequency until you find the point of lowest SWR, which for our limited purposes here we will accept as the resonant frequency of the vertical system

e. note the SWR reading which will probably be quite low, considering the relatively poor ground - hence high ground loss - that is involved thus far

f. start laying out one or two radials on top of the ground of a length that you (somehow) elect to use; a length of 0.2 wavelength will probably be good

g. observe the SWR meter to see what - if any change - has been made so far

h. repeat this operation, continuing to lay out radials more or less symmetrically from the antenna, checking the SWR after each new radial is added

i. when the measured SWR at your minimum-SWR-frequency reaches a value of about 37/50 or about 1.35, you will have installed a sufficient radial field to reduce ground loss resistance to a practically negligible amount; you will soon get a good feel for the effect each new added radial will have

Now comes the hard work: dealing with the issue of getting the radials out of the way. I cut 1/2 inch deep trenches with a lawn edger, pushed in each wire and held it in place with a nail or two and covered it up; when the sod matures, the trenches and wires disappear. Advice: lay down strings or whatever to guide the edging so that you get straight lines in the right places and directions!

This entire procedure is aimed simply at giving you a way to know when you have reduced the ground loss resistance to such a low level that the radiation resistance component of the vertical driving-point impedance is the principal factor determining the SWR.

In my case, 60 radials was probably a bit too much, but I based my choice on Jerry Sevick's work which showed that an additional couple of db could be gained by slitting a few more trenches. Since I operate a lot of QRP, that made it worthwhile.

Incidentally, the soil in this area is rated among the most electrically desirable in the country, short of being in or near a swamp, so you would expect a few ground stakes to do the job - but you would be disappointed.

This entire exercise convinces me that Walt Maxwell, W2DU, was certainly correct, though overly dramatic, when he claimed that "Too low an SWR can kill you!" or often-quoted miswording to such effect. All too often we are tempted to view a low-SWR antenna system as "good" when the opposite may well be the case.

And one of those cases is the simple 1/4-wave vertical stuck up over a field of radials. Unless specific impedance matching is undertaken to raise the driving-point impedance of the vertical to 50 ohms resistive at the approximate resonant frequency, then that low SWR is simply telling you that you need to make another trip to Home Depot and fire up the edger!



72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

-----  
Date: Sun, 25 Mar 2001 16:21:22 -0500  
From: "David Porter" <aa3ur@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <njqrp@njqrp.org>  
Subject: [94933] \$20.00 Scott Sled Kite Kit, \$16.00 at Atlanticon  
Message-ID: <003401c0b571\$8b37dd80\$926e0941@jamison1.pa.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Last reminder before Atlanticon. Three will ship Monday! 12 left.

The Scott Sled Kite was made famous to hams by Seab Lyon, AA1MY, and Jay Kolinsky, NE2Q, in the April, 2000 issue of QST. Last year at Atlanticon, he flew his just as I was leaving for dinner on Saturday. It was a beautiful sight. I vowed to make one if I could remember who to contact to get the plans. The plans arrived in the April QST, and I made one.

It was difficult to get a 9' x 10' piece of Tyvek. Many suggested finding a house going up and asking for a sheet (probably a very good way to do it even now). I finally put together a group buy and bought a 150 foot roll of Tyvek, cut it up and mailed it out to 14 people. Now that it is nearly spring it is kite making and flying time again.

So, the New Jersey QRP club has decided to underwrite another group buy of Tyvek. We will offer a sheet of Tyvek 9' x 10' and a set of documentation from the NJQRP Website mailed to your door for a mere \$20.00. However, if you pick it up at Atlanticon, you pay only \$16.00.

If there is enough interest at Atlanticon, we will hold a clinic on making one on either Friday or Saturday. It is easier than it looks!

TO ORDER \$20 mailed to your door or \$16 delivered at Atlanticon.  
Write a check or M.O. made payable to "George Heron, N2APB" and send to:  
George Heron, N2APB  
2419 Feather Mae Court  
Forest Hill, MD 21050

Or use Pay Pal:

People can now order their kits from the NJQRP and pay by using the popular PayPal Webster <http://www.paypal.com>. Just use the name & email address of "George Heron, N2APB", [n2apb@amsat.org](mailto:n2apb@amsat.org) and you'll save yourself the effort of writing a \$20 check and putting the letter into the mail!

David Porter  
[aa3ur@home.com](mailto:aa3ur@home.com)  
AA3UR

> >  
>

-----  
Date: Sun, 25 Mar 2001 12:31:30 -0900  
From: AL7JK John Raynsford <[AL7JK@gci.net](mailto:AL7JK@gci.net)>  
To: qrp Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [94934] Re: Symbolic QRPP  
Message-ID: <3ABE63B2.E0ECE75B@gci.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>The joy of true successful QRPP operating must be similar to that of an  
>architect who designed an opera hall so efficient a stage whisper could  
be  
>heard and understood all the way up in the 5th balcony!  
  
>It's great to be active again.  
>Bill K5BDZ

Welcome back om!!! I hear you, still get a rush looking at the logbook  
from years past. Operating portable from Harding Icefield, Prince  
William Sound  
Mt McKinley - Kahiltna glacier, and just out on the tundra ....

Theres no thrill like Qrp :)

Now that I'm online will post notices in advance for upcoming trips this  
summer.  
Different qsl cards for each outing.

Best of DX to you Bill ....

AL7JK, John  
Eagle River, Alaska

-----  
Date: Sun, 25 Mar 2001 15:01:47 -0700  
From: "Steve/n0tu" <n0tu@webaccess.net>  
To: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [94935] SMK/HB Sprint/K7GT&N7XJ  
Message-ID: <022f01c0b577\$30c311c0\$6a211d82@sg2939h.col.hp.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sounds like Allan and Bob are having a great time in warmer SW (Cedar Mesa, UT) Camping, hiking, DXing and logging some fun meter time. Worked 'em yesterday morning w/K2 and this AM w/SMK-1!! Bob was at the key of his K2 while Allan tended cooking. (I wonder if they drew straws on who cooks and who operates?)

This is what'll be thumbing ur AGC in this evening's Homebrewer's Sprint.

My SMK-1 now with Tick: <http://www.webaccess.net/~s&p/images/SMKwPK.jpg>

I added the Tick push button on right side. Ran out of panel space after I went to bigger RX tune knob. So far just 2 states but hope to score more tonite! This little SMD kit is a blast!! Need a mini L-network & 67' of #24 to make this a vest pocket 40m station. Too bad it doesn't run on a 9VDC battery ..guess it cud?

More HB Sprint info at : <http://www.njqrp.org/data/qrp-homebrewers-sprint.html>

CU there, just listen for 250mW of slight chirp from n0tu/Steve's SMK-1. .

-----  
Date: Sun, 25 Mar 2001 14:41:07 -0700  
From: Bruce Grubbs <n7ceeqr@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [94936] Re: FS: Lower prices- Wilderness Sierra, NC20

Message-ID: <5.0.2.1.0.20010325144040.00abed38@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

All,  
The Sierra is also spoken for.

73  
Bruce  
N7CEE

-----  
Date: Sun, 25 Mar 2001 16:52:47 EST  
From: SJWHITTON@aol.com  
To: qrp-l@lehigh.edu  
Subject: [94937] QRP Sprint?  
Message-ID: <81.8a8245b.27efc2af@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi, Can someone tell me if there is a QRP Sprint this evening? I heard it mentioned in a QSO but have not seen anything about it.

Sunday, March 25, 2001  
Thanks  
K9IS  
Steve Whitton

-----  
Date: Sun, 25 Mar 2001 17:12:25 -0500  
From: tailfeathers@juno.com  
To: qrp-l@lehigh.edu  
Subject: [94938] Starting my K1 tomorrow!  
Message-ID: <20010325.172040.-468363.0.tailfeathers@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello guys! I have had my K1 kit for a few months and I think it's time. Is there a K1 hints and kinks anywhere with any corrections in the manual or any part or board corrections?

Gary  
n8gsj

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sun, 25 Mar 2001 17:38:09 -0500  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA  
QRP Club" <epaqrp-l@Lehigh.EDU>  
Subject: [94939] Atlanticon 2001  
Message-ID: <0a6101c0b57c\$456cbc20\$9b075cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Everyone,

I plan to be at the hotel on Friday morning around 11:30 AM.  
I will look for anyone that would like to join me on a train trip into  
the Baltimore Inner Harbor. You can pick up the light rail 1 block  
away from the hotel.

Please e-mail me direct. [wb3aal@fast.net](mailto:wb3aal@fast.net)

See you at the Atlanticon 2001.

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL  
[wb3aal@fast.net](mailto:wb3aal@fast.net)

vvv Eastern Pennsylvania QRP Web Page vvv  
<http://www.n3epa.org>  
Eastern Pennsylvania QRP Club Call  
N3EPA E-mail address: [n3epa@fast.net](mailto:n3epa@fast.net)

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

-----  
Date: Sun, 25 Mar 2001 15:57:57 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: "George, W5YR" <w5yr@att.net>, qrp-l <qrp-l@lehigh.edu>  
Subject: [94940] Re: "Optimum" Buried Radial Length (long)  
Message-ID: <B6E3C605.7A7F%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

George - Your points are well taken and build on mine. I always like to see follow ups to my posts, particularly when they encourage discussion. - Dr. Megacycle

--  
James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Sun, 25 Mar 2001 17:58:20 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: rckchp@home.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [94941] Re: X-ray machines...  
Message-ID: <3ABE780C.CC89DC66@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rich,

Most airport scanners will not hurt your film. Take it from a traveling pro. I used to ask for hand inspection but eventually they told me they wouldn't do that anymore. I had to take my chances! I have never had a roll of film damaged in the last 30 years!

73

-----  
Date: Sun, 25 Mar 2001 17:08:45 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [94942] RE: X-ray machines...  
Message-ID: <01C0B54E.411BEE80.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

The topic has already been beaten to death, but I'll beat it some more in the true QRP-L tradition.

Back when we first started having all our stuff X-rayed coming into the nuclear plant, I was concerned about some the circuit boards I'd bring in for the plant's control systems. Never saw any harm. Later, I was concerned about my fancy HP-48GX calculator and also about floppy disks. X-rayed 'em both zillions of times with no adverse effect or loss of memory.

As far as the guards go--sometimes they'd want to see what that HP-48GX was. Kinda big and scary for a calculator. Once they had to inspect a carrot. I'll admit, it did kinda look like a dagger on the screen.

72--Nick, WA5BDU

X-raying my lunch every day for 20 years. Gives the Doritos an appealing nutty flavor.

-----  
Date: Sun, 25 Mar 2001 18:19:22 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-l@lehigh.edu  
Subject: [94943] Radials (burying)  
Message-ID: <5.0.2.1.0.20010325181005.00a7d3a0@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

The easiest way is to lay them on the ground during the rainy season and simply walk on them starting at the vertical and walking outward. When the grass gets growing they disappear. Of course running a lawn thatcher is a no-no. :-)  
73 to All  
Pete NV4V

-----  
Date: Sun, 25 Mar 2001 18:23:05 EST

From: K5BDZ@aol.com  
To: hqrp@stevens.com, qrp-1@lehigh.edu  
Subject: [94944] FS/FT: Famous HRO Dial  
Message-ID: <16.ab41adf.27efd7d9@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

For Sale for \$110 shipped ground to U.S. or trade for QRP SSB xcvr kit:

A National HRO dial, including gear reduction system and two variable capacitors (right angle drive for each).  
The HRO dial comes complete with black knob about 2 1/2 in dia, with a skirt that has 5 slots through which is visible numbers that change as you turn the knob CW or CCW revealing 0, 10, 100, 250, 450, etc through 500 at the end of its range. (Newer hams may remember the similar Kenwood TS-820 dial read-out). The skirt appears to have been gray colored (or possibly even bronze) at one time. The dial is attached to the gearing mechanism behind, with two (yup, two) apparently identical variables right angle driven out left and right. Both caps mesh / unmesh together. Would guess capacitance approx 300 pF each. ALSO I have the matching metal arc'ed spacer for its brother arc'ed marker that goes on the panel behind the dial skirt for read-out, with arc numbering 0, .1, .2, etc up to 1.  
The main dial skirt appears someone tried to clean it. Appears minor surface scratching but no gouges or deep scratches seen. Should buff out very smooth in all likelihood.

I'll ship it properly wrapped and cushioned.

Bill K5BDZ Please reply direct to K5BDZ@aol.com

-----  
Date: Sun, 25 Mar 2001 17:52:10 -0600  
From: Chris J Cole <CJCole@serialslibrarian.com>  
To: QRP-L <qrp-1@lehigh.edu>  
Subject: [94945] Re: Beware; X-ray machines...  
Message-ID: <B6E3E0C9.181D%CJCole@serialslibrarian.com>  
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I'll make my gripe Brief,

I have family that lives in Idaho and so I fly between Omaha and Salt Lake City a lot, and I too see differences in their security. In Omaha they have less security so to speak, they usually don't look at my Laptop nor Ham Radio gear I bring (sometimes they just ask to see it, just to see what it



looks like) and the only thing that the security people ask is if I'm really from CNN when I wear my CNN jacket.

On the other hand there is Salt Lake City, Usually I will set off the metal detector there and will have to be searched with the hand wand... They normally will take out my laptop to have it looked at but they have never asked me to turn it on. The only thing that got me mad was when I had to wait for a drug test to be performed on my 1 aspirin for my headache I had.

I really believe the level of security is based on the airport itself, if you are flying out of a smaller airport (like Omaha, Des Moines or Fort Dodge in the area where I live) they don't see the bomb threats, drugs and other problems airports like, Salt Lake City, Minneapolis/St. Paul or LAX do which are international hubs. They do need the extra security, with good reason.

My advice, let them look at your stuff, hey you might get some interested in HAM radio along the way. As for questions about you equipment and x-ray machines, I find if you ask the security personnel, describing what the item in question is they will usually tell you if it is okay or not to send it through the machine.

Just my 2 cents,  
Chris Cole K0CNN

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End of QRP-L Digest 2138

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